

Pediatric Quality Indicators (PDI) Parameter Estimates, v2022

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Executive Summary

This document provides statistical parameters associated with Version 2022 Agency for Healthcare Research and Quality (AHRQ) Quality Indicators™ (QI) Pediatric Quality Indicators (PDI). The parameter estimates derived for the AHRQ QI are based on analysis of the 2019 AHRQ Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID).¹

HCUP is a family of healthcare databases and related software tools and products developed through a Federal-State-Industry partnership. HCUP includes the largest collection of longitudinal hospital care data in the United States, with all-payer, encounter-level information beginning in 1988. The SID contain all-payer, encounter-level information on inpatient discharges, including clinical and resource information typically found on a billing record, such as patient demographics, up to 30 *International Classification of Diseases, Tenth Revision, Clinical Modification/Procedural Classification System (ICD-10-CM/PCS)* diagnoses and procedures, length of stay (LOS), expected payer, admission and discharge dates and discharge disposition.

In 2019, the HCUP databases represent more than 97 percent of all annual discharges in the U.S.² The analytic dataset used to generate the risk adjustment regression models in this document consists of the same hospital discharge records that comprise the reference population for Version 2021 of the AHRQ QI software. This reference population file was limited to community hospitals and excludes rehabilitation and long-term acute care (LTAC) hospitals. Information on the type of hospital was obtained by the American Hospital Association (AHA) Annual Survey of Hospitals. AHA defines community hospitals as “all non-Federal, short-term, general, and other specialty hospitals, excluding hospital units of institutions.” Included among community hospitals are specialty hospitals such as obstetrics-gynecology, ear-nose-throat, orthopedic, and pediatric institutions. Also included are public hospitals and academic medical centers.

The 2019 HCUP SID includes information on all inpatient discharges from hospitals in participating States. Discharges from all 48 participating States are used to develop risk-adjustment models for the area-level PDIs.³ This document lists covariates and coefficients for area-level risk adjustment logistic regression models. The regression coefficients are used by the prediction module to calculate risk-adjusted rates that account for differences in patient populations across areas. Covariates that are considered as potential risk adjusters include sex and age and the interaction of sex and age. Descriptions of the population age categories are provided in Table 15. Every covariate in every model is a binary indicator variable, coded using 0 or 1. The AHRQ QI software user does not need to manipulate or adjust these coefficients; rather this document is intended to make it transparent to the user how the risk adjusted QI rates are calculated.

¹ Healthcare Cost and Utilization Project (HCUP) 2019 State Inpatient Databases (SID). Agency for Healthcare Research and Quality, Rockville, MD.

² The states included in the analysis are Alaska, Arizona, Arkansas, California, Colorado, , Delaware, District of Columbia, Florida, Georgia, Hawaii, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

³ Colorado and Hawaii were not included in the reference population used to develop PDI 16 and PDI 18.

In 2019, 46 of the SID participants include indicators of the diagnoses being present on admission (POA), 43 included the PRDAY data element, and 44 included the AGEDAY data element. Discharges from these 46 participating States are used to develop hospital-level indicators.⁴ Edit checks on POA were developed during an HCUP evaluation of POA coding in the 2011 SID at hospitals that were required to report POA to CMS (Centers for Medicare and Medicaid Services, <http://www.hcup-us.ahrq.gov/reports/methods/2015-06.pdf>). The edits identify general patterns of suspect reporting of POA. The edits do not evaluate whether a valid POA value (e.g., Y or N) is appropriate for the specific diagnosis. There are three hospital-level edit checks:

1. Indication that a hospital has POA reported as Y on all diagnoses on all discharges
2. Indication that a hospital has POA reported as missing on all non-Medicare discharges
3. Indication that a hospital reported POA as missing on all nonexempt diagnoses for 15 percent or more of discharges. The cut-point of 15 percent was determined by 2 times the standard deviation plus the mean of the percentage for hospitals that are required to report POA to CMS.

This document lists covariates and coefficients for hospital-level risk adjustment regression models. The regression coefficients are used to calculate risk-adjusted rates that account for differences in patient populations across hospitals. Covariates that are considered as potential risk adjusters include sex and age, Major Diagnostic Categories (MDC), Modified Medicare Severity-Diagnosis-Related Group (MS-DRG) categories, AHRQ Clinical Classification Software Refined (CCSR), and patient point-of-origin and whether they were transferred from another facility. Several hospital-level PDIs have populations at risk that are complex, and are therefore stratified in a manner described in the technical specifications so analysts may examine observed rates for each stratum. Categorical variables are used to identify the strata. Whereas the risk adjustment models in some of the other AHRQ QI modules fit individual models for individual QI strata, which results in stratum-specific coefficients for each variable in the models, the PDI module includes at most one risk adjustment model per QI, pooling the data across strata to fit coefficients on the covariates, and using binary indicator covariates to fit a separate regression intercept for each stratum.

Descriptions of some variable categories are provided in the Appendix tables at the end of the document. Every covariate in every model is a binary indicator variable, coded using 0 or 1. The AHRQ QI software user does not need to manipulate or adjust these coefficients; rather this document is intended to make it transparent to the user how the risk adjusted QI rates are calculated. This document also provides a risk adjustment coefficient table for each risk-adjusted hospital-level PDI. Certain indicators (such as PDI 11 Postoperative Wound Dehiscence Rate) are not risk-adjusted because materially important risk factors (e.g., post-operative coughing) are not available in the HCUP SID.

Additional information on the risk adjustment process and composite indicators may be found in Quality Indicator Empirical Methods, available on the AHRQ QI website.

(<http://www.qualityindicators.ahrq.gov/modules/Default.aspx>)

⁴ Colorado, Hawaii, New Hampshire, Oklahoma, and Wisconsin were not included in the reference population for indicators that rely on procedure dates (PRDAY) or age in days (AGEDAY). Discharges from New Hampshire, Oklahoma, and Wisconsin, are excluded from PDIs 08 and 09 due to incomplete procedure dates. Discharges from Colorado and Hawaii are excluded from PDIs 01, 05, 08-10, 12, 16, 18, and NQI 03 due to missing age in days.

Acknowledgments

The AHRQ QI program would like to acknowledge the HCUP Partner organizations that participated in the HCUP SID: **Alaska** State Hospital and Nursing Home Association, **Alaska** Department of Health and Social Services, **Arizona** Department of Health Services, **Arkansas** Department of Health, **California** Department of Health Care Access and Information, **Colorado** Hospital Association, **Connecticut** Hospital Association, **Delaware** Division of Public Health, **District of Columbia** Hospital Association, **Florida** Agency for Health Care Administration, **Georgia** Hospital Association, **Hawaii** Laulima Data Alliance, a non-profit subsidiary of the Healthcare Association of Hawaii, **Hawaii** University of Hawaii at Hilo, **Illinois** Department of Public Health, **Indiana** Hospital Association, **Iowa** Hospital Association, **Kansas** Hospital Association, **Kentucky** Cabinet for Health and Family Services, **Louisiana** Department of Health, **Maine** Health Data Organization, **Maryland** Health Services Cost Review Commission, **Massachusetts** Center for Health Information and Analysis, **Michigan** Health & Hospital Association, **Minnesota** Hospital Association (provides data for Minnesota and North Dakota), **Mississippi** State Department of Health, **Missouri** Hospital Industry Data Institute, **Montana** Hospital Association, **Nebraska** Hospital Association, **Nevada** Department of Health and Human Services, **New Hampshire** Department of Health & Human Services, **New Jersey** Department of Health, **New Mexico** Department of Health, **New York** State Department of Health, **North Carolina** Department of Health and Human Services, **North Dakota** (data provided by the Minnesota Hospital Association), **Ohio** Hospital Association, **Oklahoma** State Department of Health, **Oregon** Association of Hospitals and Health Systems, **Oregon** Office of Health Analytics, **Pennsylvania** Health Care Cost Containment Council, **Rhode Island** Department of Health, **South Carolina** Revenue and Fiscal Affairs Office, **South Dakota** Association of Healthcare Organizations, **Tennessee** Hospital Association, **Texas** Department of State Health Services, **Utah** Department of Health, **Vermont** Association of Hospitals and Health Systems, **Virginia** Health Information, **Washington** State Department of Health, **West Virginia** Department of Health and Human Resources, **Wisconsin** Department of Health Services, **Wyoming** Hospital Association.

Parameter Estimates Tables

Table 1. Risk Adjustment Coefficients for PDI 01 – Accidental Puncture or Laceration Rate

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
Intercept	Intercept	1	-12.03579132	0.3434371925	-35.0451016364	<.0001
AGE_3	Age Days 180-364	1	0.0001385226	0.2851098924	0.0004858567	0.9996
AGE_5	Age 4-9 years	1	-0.1218967672	0.1754232709	-0.6948722742	0.4871
AGE_6	Age 10-14 years	1	0.0226380340	0.1867934702	0.1211928551	0.9035
AGE_7	Age 15-17 years	1	0.3645743841	0.2046733290	1.7812500822	0.0749
AGE_1_2	Age Days 0-179	1	0.1266091787	0.1645024565	0.7696491676	0.4415
MALE	Patient Sex Flag: 1=Male / 0=Female	1	-0.2005946303	0.1836602100	-1.0922051664	0.2747
AGE_3_MALE	Age Days 180-364 MALE	1	0.4205251843	0.3870239812	1.0865610526	0.2772
AGE_5_MALE	Age 4-9 years MALE	1	0.4380772681	0.2398991425	1.8260893449	0.0678
AGE_6_MALE	Age 10-14 years MALE	1	0.3996991247	0.2550929641	1.5668763191	0.1171
AGE_7_MALE	Age 15-17 years MALE	1	-0.3669688970	0.2832878251	-1.2953924047	0.1952
AGE_1_2_MALE	Age Days 0-179 MALE	1	0.5308626867	0.1983305911	2.6766555966	0.0074
PD01_NonWt_1	PD01 Comorbidity count using non-weighted method, category 1, count >= 1	1	0.1532536827	0.0725493818	2.1124050809	0.0347
ODC903	Ventilator Dependence flag	1	0.7416542413	0.1850353678	4.0081755717	<.0001
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	0.3296603345	0.1057962079	3.1159938614	0.0018
TRNSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.3237636142	0.0939425279	3.4464009140	0.0006
HPPD01_2	Minor therapeutic PR	1	2.2205536279	0.3058985483	7.2591179006	<.0001
HPPD01_3	1 major ther PR/no diag PR	1	4.5270979542	0.3512805324	12.8874148632	<.0001
HPPD01_4	1 major ther PR/minor diag PR	1	5.1396651504	0.3606069838	14.2528164486	<.0001
HPPD01_5	1 major ther PR/major diag PR	1	6.0187127001	0.3794431680	15.8619609136	<.0001
HPPD01_6	2 major therapeutic PR	1	6.0342093580	0.3214395299	18.7724557726	<.0001
HPPD01_7	3+ major therapeutic PR	1	6.8163705890	0.3217936275	21.1824287564	<.0001

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
MEDICDR	Medical DRGs flag	1	0.0898727989	0.1464878716	0.6135169958	0.5395

c-statistic=0.945

Table 2. Risk Adjustment Coefficients for PDI 05 – Iatrogenic Pneumothorax Rate

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
Intercept	Intercept	1	-8.479169171	0.3334440044	-25.4290647290	<.0001
AGE_1	Age Days 0-59	1	-0.2085146234	0.3884968782	-0.5367214901	0.5915
AGE_5	Age 4-9 years	1	0.3350215573	0.4004988849	0.8365105871	0.4029
AGE_6	Age 10-14 years	1	0.0963181857	0.3973135300	0.2424236238	0.8085
AGE_7	Age 15-17 years	1	0.2490501203	0.4542030847	0.5483232691	0.5835
AGE_2_3	Age Days 60-364	1	-0.5989703954	0.4277898890	-1.4001508936	0.1615
MALE	Patient Sex Flag: 1=Male / 0=Female	1	-0.3072692457	0.3437588855	-0.8938510643	0.3714
AGE_1_MALE	Age Days 0-59 MALE	1	0.1286731567	0.5497067074	0.2340760171	0.8149
AGE_5_MALE	Age 4-9 years MALE	1	-0.7539986991	0.5278639410	-1.4283959191	0.1532
AGE_6_MALE	Age 10-14 years MALE	1	0.3581406853	0.4664180000	0.7678534818	0.4426
AGE_7_MALE	Age 15-17 years MALE	1	0.5297689471	0.5039862078	1.0511576288	0.2932
PD05_NonWt_1	PD05 Comorbidity count using non-weighted method, category 1, count >= 2	1	0.4404034654	0.2568545590	1.7146024859	0.0864
MDRG_416	RESPIRATORY SYSTEM DIAGNOSIS W VENTILATOR SUPPORT	1	1.8505924777	0.3829834444	4.8320430154	<.0001
MDRG_802	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFEC OR EXT FUS	1	1.1454526307	0.4657474083	2.4593859468	0.0139
MDRG_815	BACK & NECK PROC EXC SPINAL FUSION OR DISC DEVICE/NEUROSTIM	1	2.7182933868	0.4479605236	6.0681538748	<.0001
d_DXCCSR_BLD003_123	Aplastic anemia	1	0.7019587452	0.3731319634	1.8812613606	0.0599
d_DXCCSR_FAC009_123	Implant, device or graft related encounter	1	0.1582670221	0.2958907916	0.5348832290	0.5927

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	1.0996077485	0.2801370613	3.9252491035	<.0001
d_DXCCSR_MAL004_123	Nervous system congenital anomalies	1	0.2422139087	0.3435281867	0.7050772487	0.4808
d_DXCCSR_MUS022_123	Scoliosis and other postural dorsopathic deformities	1	0.4763117673	0.4061070103	1.1728725565	0.2408
d_DXCCSR_NVS016_123	Sleep wake disorders	1	-0.0065882127	0.3245106563	-0.0203019920	0.9838
d_DXCCSR_NVS020_123	Other nervous system disorders (neither hereditary nor degenerative)	1	0.1177492242	0.2719783490	0.4329360207	0.6651
d_DXCCSR_RSP012_123	Respiratory failure; insufficiency; arrest	1	1.7037933104	0.2772228836	6.1459331505	<.0001
TRNSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.3441216613	0.2292287272	1.5012152513	0.1333
MEDICDR	Medical DRGs flag	1	-2.748172630	0.2689591498	-10.2178067993	<.0001

c-statistic=0.919

Table 3. Risk Adjustment Coefficients for PDI 08 – Perioperative Hemorrhage or Hematoma Rate

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
Intercept	Intercept	1	-7.392277809	0.2669231855	-27.6944012796	<.0001
AGE_3	Age Days 180-364	1	0.5961449602	0.3850910477	1.5480623705	0.1216
AGE_5	Age 4-9 years	1	0.1361394142	0.3293095433	0.4134086515	0.6793
AGE_6	Age 10-14 years	1	0.2156802171	0.3160632079	0.6823958363	0.4950
AGE_7	Age 15-17 years	1	0.2136409124	0.3795898352	0.5628204251	0.5736
AGE_1_2	Age Days 0-179	1	0.5148595201	0.3852635772	1.3363825459	0.1814
MALE	Patient Sex Flag: 1=Male / 0=Female	1	0.5949242724	0.2569506584	2.3153249585	0.0206
AGE_3_MALE	Age Days 180-364 MALE	1	-0.9098395211	0.4474261809	-2.0334963840	0.0420
AGE_5_MALE	Age 4-9 years MALE	1	-0.5342343697	0.3475890029	-1.5369714382	0.1243
AGE_6_MALE	Age 10-14 years MALE	1	-0.5725212435	0.4461142608	-1.2833511362	0.1994
AGE_7_MALE	Age 15-17 years MALE	1	0.0863039202	0.4467555453	0.1931792926	0.8468

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
AGE_1_2_MALE	Age Days 0-179 MALE	1	-0.8995730806	0.4755802440	-1.8915274384	0.0586
PD08_NonWt_1	PD08 Comorbidity count using non-weighted method, category 1, count > 0 and count <= 2	1	0.3375755681	0.1238974601	2.7246367094	0.0064
MDRG_302	OTHER EAR, NOSE, MOUTH AND THROAT O.R. PROCEDURES	1	1.3539889981	0.3653510574	3.7059944689	0.0002
MDRG_7702	LIVER TRANSPLANT	1	2.6979106174	0.6060617181	4.4515443511	<.0001
d_DXCCSR_BLD008_123	Immunity disorders	1	0.5954293726	0.3221063427	1.8485490464	0.0645
d_DXCCSR_INJ033_123	Complication of cardiovascular device, implant or graft, initial encounter	1	0.7876696237	0.2350619767	3.3509018974	0.0008
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	1.3719500070	0.1441238131	9.5192458340	<.0001
d_DXCCSR_NVS016_123	Sleep wake disorders	1	0.3137261787	0.2223495137	1.4109595900	0.1583
d_DXCCSR_RSP004_123	Acute and chronic tonsillitis	1	0.5802419698	0.3388958231	1.7121543856	0.0869
GPPD08_2	Coagulopathy	1	2.0359578162	0.1553822759	13.1028960924	<.0001

c-statistic=0.815

Table 4. Risk Adjustment Coefficients for PDI 09 – Postoperative Respiratory Failure Rate

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
Intercept	Intercept	1	-4.982975408	0.1112412785	-44.7943018379	<.0001
AGE_1	Age Days 0-59	1	1.1832601618	0.2202258283	5.3729399987	<.0001
AGE_2	Age Days 60-179	1	0.5083535367	0.1474693777	3.4471803206	0.0006
AGE_3	Age Days 180-364	1	0.6168066708	0.1184107698	5.2090419793	<.0001
AGE_5	Age 4-9 years	1	-0.2301996908	0.1024904216	-2.2460605303	0.0247
AGE_6	Age 10-14 years	1	-0.3752483266	0.1005701372	-3.7312102468	0.0002
AGE_7	Age 15-17 years	1	-1.036299793	0.1546528275	-6.7008137500	<.0001
MALE	Patient Sex Flag: 1=Male / 0=Female	1	-0.0521919577	0.0985799607	-0.5294378023	0.5965
AGE_1_MALE	Age Days 0-59 MALE	1	0.0275356376	0.2346448972	0.1173502511	0.9066

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
AGE_2_MALE	Age Days 60-179 MALE	1	0.2378233644	0.1379237667	1.7243102482	0.0847
AGE_3_MALE	Age Days 180-364 MALE	1	-0.1802245844	0.1299539458	-1.3868342611	0.1655
AGE_5_MALE	Age 4-9 years MALE	1	0.0030926934	0.1760242605	0.0175696999	0.9860
AGE_6_MALE	Age 10-14 years MALE	1	0.0004985940	0.1469198946	0.0033936450	0.9973
AGE_7_MALE	Age 15-17 years MALE	1	0.5694619776	0.1764574828	3.2271908706	0.0013
PD09_NonWt_1	PD09 Comorbidity count using non-weighted method, category 1, count > 0 and count <= 2	1	0.8131000780	0.0739598593	10.9938023885	<.0001
PD09_NonWt_2	PD09 Comorbidity count using non-weighted method, category 2, count >= 3	1	1.5762231064	0.1337915848	11.7811827169	<.0001
MDRG_503	CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC	1	1.0915763746	0.1168104764	9.3448499479	<.0001
MDRG_505	OTHER CARDIOTHORACIC PROCEDURES	1	0.9813199672	0.1121254170	8.7519849980	<.0001
d_DXCCSR_CIR019_123	Heart failure	1	-0.3864499369	0.1321248059	-2.9248855604	0.0034
d_DXCCSR_DIG004_123	Esophageal disorders	1	0.2130603457	0.0828104217	2.5728687447	0.0101
d_DXCCSR_END008_123	Malnutrition	1	0.1745327612	0.1544544080	1.1299953394	0.2585
d_DXCCSR_FAC009_123	Implant, device or graft related encounter	1	0.3193434452	0.1394019550	2.2908103777	0.0220
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	1.3427671649	0.1401322670	9.5821411668	<.0001
d_DXCCSR_MAL009_123	Chromosomal abnormalities	1	0.2088385011	0.0717672659	2.9099408839	0.0036
d_DXCCSR_SYM016_123	Other general signs and symptoms	1	0.0593519566	0.0805187176	0.7371199932	0.4610
TRNSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.3587495733	0.1972034616	1.8191849693	0.0689

c-statistic=0.864

Table 5. Risk Adjustment Coefficients for PDI 10 – Postoperative Sepsis Rate

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistics
Intercept	Intercept	1	-6.261388375	0.1424824166	-43.9449900035	<.0001

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistics
AGE_1	Age Days 0-59	1	0.2169775733	0.2099423277	1.0335103726	0.3014
AGE_2	Age Days 60-179	1	0.3486957295	0.1584600803	2.2005272798	0.0278
AGE_3	Age Days 180-364	1	0.1793567713	0.1541842241	1.1632627938	0.2447
AGE_5	Age 4-9 years	1	-0.2614886396	0.1305732275	-2.0026206340	0.0452
AGE_6	Age 10-14 years	1	-0.4470360911	0.1343091536	-3.3284112006	0.0009
AGE_7	Age 15-17 years	1	-0.4494068755	0.1593377463	-2.8204671274	0.0048
MALE	Patient Sex Flag: 1=Male / 0=Female	1	-0.1236323245	0.1396249637	-0.8854600297	0.3759
AGE_1_MALE	Age Days 0-59 MALE	1	0.0261761399	0.2625646415	0.0996940784	0.9206
AGE_2_MALE	Age Days 60-179 MALE	1	-0.0946133704	0.1897695012	-0.4985699481	0.6181
AGE_3_MALE	Age Days 180-364 MALE	1	-0.1218671721	0.2013282185	-0.6053159017	0.5450
AGE_5_MALE	Age 4-9 years MALE	1	-0.0628924122	0.1807473032	-0.3479576796	0.7279
AGE_6_MALE	Age 10-14 years MALE	1	0.2628701842	0.1883305709	1.3957913629	0.1628
AGE_7_MALE	Age 15-17 years MALE	1	0.3396465260	0.1990529983	1.7063120322	0.0879
PD10_NonWt_1	PD10 Comorbidity count using non-weighted method, category 1, count > 1 and count <= 2	1	0.7036652780	0.0781429434	9.0048473644	<.0001
PD10_NonWt_2	PD10 Comorbidity count using non-weighted method, category 2, count >= 3	1	0.9414395707	0.1026023116	9.1756175510	<.0001
ODC903	Ventilator Dependence flag	1	0.8275875355	0.1171515519	7.0642473088	<.0001
d_DXCCSR_DIG025_123	Other specified and unspecified gastrointestinal disorders	1	0.4055923109	0.0857381678	4.7305922366	<.0001
d_DXCCSR_END008_123	Malnutrition	1	0.0253053208	0.0985810019	0.2566957153	0.7974
d_DXCCSR_END011_123	Fluid and electrolyte disorders	1	0.3090809999	0.0918977581	3.3633138201	0.0008
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	0.9162550976	0.0785810786	11.6599964554	<.0001
d_DXCCSR_RSP012_123	Respiratory failure; insufficiency; arrest	1	0.7981036389	0.1028102517	7.7628799238	<.0001
TRNSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.5504406016	0.0707073329	7.7847739227	<.0001
GPPD10_2	Non-elective clean	1	0.4675654777	0.1090158656	4.2889672520	<.0001

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistics
GPPD10_3	Elective clean-contam	1	0.8269104729	0.0939436307	8.8021983677	<.0001
GPPD10_4	Non-elective other	1	1.3415422581	0.1020185456	13.1499841506	<.0001
HPPD10_1	Medium immune risk	1	0.6993573332	0.1567797920	4.4607619669	<.0001
HPPD10_2	High immune risk	1	1.0295668073	0.0869177957	11.8452935845	<.0001
HPPD10_3	Very High immune risk	1	2.0032754285	0.1188416998	16.8566709437	<.0001

c-statistic=0.862

Table 6. Risk Adjustment Coefficients for PDI 12 – Central Venous Catheter-Related Blood Stream Infection Rate

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistics
Intercept	Intercept	1	-7.375135198	0.1545984997	-47.7050890562	<.0001
AGE_1	Age Days 0-59	1	-0.0073940605	0.1764874240	-0.0418956793	0.9666
AGE_2	Age Days 60-179	1	0.3016315177	0.1761715924	1.7121461725	0.0869
AGE_3	Age Days 180-364	1	0.0593543689	0.2146920494	0.2764628176	0.7822
AGE_5	Age 4-9 years	1	-0.6515881813	0.1812721680	-3.5945296438	0.0003
AGE_6	Age 10-14 years	1	-0.8553791441	0.1748387246	-4.8923895209	<.0001
AGE_7	Age 15-17 years	1	-0.7033134574	0.1947240589	-3.6118467397	0.0003
MALE	Patient Sex Flag: 1=Male / 0=Female	1	0.0115472570	0.1589092620	0.0726657269	0.9421
AGE_1_MALE	Age Days 0-59 MALE	1	-0.1403784778	0.2254283366	-0.6227188642	0.5335
AGE_2_MALE	Age Days 60-179 MALE	1	-0.3068377280	0.2443262503	-1.2558524824	0.2092
AGE_3_MALE	Age Days 180-364 MALE	1	-0.0845029690	0.2759873169	-0.3061842476	0.7595
AGE_5_MALE	Age 4-9 years MALE	1	0.0400702232	0.2688001285	0.1490706996	0.8815
AGE_6_MALE	Age 10-14 years MALE	1	0.2359915446	0.2381662516	0.9908689541	0.3217
AGE_7_MALE	Age 15-17 years MALE	1	-0.1147969834	0.2972440188	-0.3862045194	0.6993
PD12_NonWt_1	PD12 Comorbidity count using non-weighted method, category 1, count >= 2	1	0.6281113463	0.0988373012	6.3550030060	<.0001

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistics
ODC903	Ventilator Dependence flag	1	0.9072243224	0.1811827017	5.0072347638	<.0001
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	1.2052561223	0.0922900264	13.0594406449	<.0001
TRNSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.6947764877	0.0920083908	7.5512296381	<.0001
GPPD12_2	Medium CLABSI risk	1	1.4564961899	0.1873226321	7.7753348535	<.0001
GPPD12_3	High CLABSI risk	1	2.6390174837	0.0970396005	27.1952632878	<.0001
MEDICDR	Medical DRGs flag	1	-1.619263870	0.0904135420	-17.9095280877	<.0001

c-statistic=0.914

Table 7. Risk Adjustment Coefficients for PDI 14 – Asthma Admission Rate

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-6.357613381	0.0099258353	410255.2078322190	<.0001
SEX	Female	1	-0.4678033868	0.0162076667	833.0781197187	<.0001
AGECAT2	Age 5-9	1	-0.5762336553	0.0141472243	1659.0319866560	<.0001
AGECAT3	Age 10-14	1	-1.376278695	0.0178410208	5950.7728443944	<.0001
AGECAT4	Age 15-17	1	-2.197637529	0.0305399300	5178.1669822606	<.0001
FAGECAT2	Female,Age 5-9	1	0.0948007739	0.0227705247	17.3331577467	<.0001

c-statistic=0.672

Table 8. Risk Adjustment Coefficients for PDI 15 – Diabetes Short-Term Complications Admission Rate

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-7.973475632	0.0215953919	136324.2649560400	<.0001
SEX	Female	1	0.1441945908	0.0297773775	23.4490387739	<.0001
AGECAT2	Age 5-9	1	-1.093341764	0.0391992951	777.9565856958	<.0001
AGECAT3	Age 10-14	1	-0.1450433771	0.0280916685	26.6588086676	<.0001
FAGECAT2	Female,Age 5-9	1	0.0292837953	0.0538301004	0.2959404603	0.5864
FAGECAT3	Female,Age 10-14	1	-0.0668207244	0.0390012803	2.9353820322	0.0867

c-statistic=0.603

Table 9. Risk Adjustment Coefficients for PDI 16 – Gastroenteritis Admission Rate

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-6.951898960	0.0107259149	420086.0025474800	<.0001
SEX	Female	1	-0.1797896318	0.0160909400	124.8436488857	<.0001
AGECAT2	Age 5-9	1	-1.512196673	0.0243783304	3847.7658868487	<.0001
AGECAT3	Age 10-14	1	-2.175111645	0.0319264201	4641.5459897435	<.0001
AGECAT4	Age 15-17	1	-2.260660029	0.0419513755	2903.8762276119	<.0001
FAGECAT2	Female,Age 5-9	1	0.1014878983	0.0357769975	8.0467542454	0.0046
FAGECAT3	Female,Age 10-14	1	0.1300364927	0.0464148718	7.8490335092	0.0051
FAGECAT4	Female,Age 15-17	1	0.5525060392	0.0555266324	99.0082508573	<.0001

c-statistic=0.733

Table 10. Risk Adjustment Coefficients for PDI 18 – Urinary Tract Infection Admission Rate

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-8.909091784	0.0285152242	97614.2641806740	<.0001
SEX	Female	1	1.3865732099	0.0320262751	1874.4452109411	<.0001
AGECAT2	Age 5-9	1	-1.197241930	0.0573451528	435.8834791648	<.0001
AGECAT3	Age 10-14	1	-1.371433351	0.0606510130	511.2970600094	<.0001
AGECAT4	Age 15-17	1	-1.343085491	0.0739218806	330.1119917031	<.0001
FAGECAT2	Female,Age 5-9	1	0.3663840505	0.0628455804	33.9878455982	<.0001
FAGECAT3	Female,Age 10-14	1	-0.1686688120	0.0691041638	5.9574600732	0.0147
FAGECAT4	Female,Age 15-17	1	0.8550556798	0.0786882939	118.0778764228	<.0001

c-statistic=0.742

Table 11. Risk Adjustment Coefficients for PDI 90 – Pediatric Quality Overall Composite

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-7.306454343	0.0154760801	222890.4241427260	<.0001
SEX	Female	1	0.5249234504	0.0196760576	711.7308334219	<.0001
AGECAT2	Age 5-9	1	0.6013352776	0.0184556825	1061.6299121702	<.0001
AGECAT3	Age 10-14	1	0.2685630032	0.0186864201	206.5571129844	<.0001
FAGECAT2	Female,Age 5-9	1	-0.5851451457	0.0245050989	570.1830365140	<.0001
FAGECAT3	Female,Age 10-14	1	-0.4944211058	0.0246533076	402.2014332206	<.0001

c-statistic=0.551

Table 12. Risk Adjustment Coefficients for PDI 91 – Pediatric Quality Acute Composite

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-8.918268291	0.0346281097	66329.0070799007	<.0001
SEX	Female	1	1.2651106042	0.0393905286	1031.5098401634	<.0001
AGECAT2	Age 5-9	1	0.5263589625	0.0417634847	158.8439170113	<.0001
AGECAT3	Age 10-14	1	0.0572122313	0.0433259820	1.7437368301	0.1867
FAGECAT2	Female,Age 5-9	1	-0.7149496484	0.0492498730	210.7369473989	<.0001
FAGECAT3	Female,Age 10-14	1	-0.8359263397	0.0518666937	259.7519949603	<.0001

c-statistic=0.625

Table 13. Risk Adjustment Coefficients for PDI 92 – Pediatric Quality Chronic Composite

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-7.529254797	0.0172975008	189468.6105881390	<.0001
SEX	Female	1	0.2053207090	0.0235142608	76.2435042558	<.0001
AGECAT2	Age 5-9	1	0.6189774284	0.0205736125	905.1665889438	<.0001
AGECAT3	Age 10-14	1	0.3149304386	0.0207364798	230.6530540686	<.0001
FAGECAT2	Female,Age 5-9	1	-0.4779145744	0.0291079805	269.5730048426	<.0001
FAGECAT3	Female,Age 10-14	1	-0.2740908803	0.0288070632	90.5297249827	<.0001

c-statistic=0.547

Table 14. Risk Adjustment Coefficients for NQI 03 – Neonatal Blood Stream Infection Rate

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept	Intercept	1	-4.725195172	0.1847516317	-25.5759320123	<.0001
AGEDAY_0	AgeDay=0	1	-0.1916511007	0.1675174916	-1.1440662036	0.2526
MALE	Patient Sex Flag: 1=Male / 0=Female	1	-0.0272875807	0.2368647081	-0.1152032355	0.9083
AGEDAY_0_MALE	AgeDay=0 MALE	1	0.2637729083	0.2519556560	1.0469021113	0.2951
ODC903	Ventilator Dependence flag	1	1.0349922704	0.1663779909	6.2207282633	<.0001
MDRG_1505	FULL TERM NEONATE W MAJOR PROBLEMS	1	-0.5591081194	0.1487771867	-3.7580232020	0.0002
d_DXCCSR_INF003_123	Bacterial infections	1	0.8114567957	0.2321456707	3.4954638319	0.0005
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	0.8687317114	0.0673686727	12.8951881681	<.0001
d_DXCCSR_MAL007_123	Respiratory congenital malformations	1	0.5265474427	0.1177620873	4.4712815046	<.0001
d_DXCCSR_MUS028_123	Other specified bone disease and musculoskeletal deformities	1	0.3769437762	0.1626830109	2.3170445036	0.0205
d_DXCCSR_PNL007_123	Hemolytic jaundice and perinatal jaundice	1	-0.4744240557	0.0611984126	-7.7522281318	<.0001
d_DXCCSR_PNL013_123	Other specified and unspecified perinatal conditions	1	-0.2142349689	0.0608212710	-3.5223691556	0.0004
TRNSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.0315953228	0.0926319694	0.3410844334	0.7330
BWHTCAT_2	Birth Weight 2000 to 2499 grams	1	-0.2189048183	0.1513118593	-1.4467128968	0.1480
BWHTCAT_3	Birth Weight 1750 to 1999 grams	1	0.1474455398	0.1944924873	0.7581040373	0.4484
BWHTCAT_4	Birth Weight 1500 to 1749 grams	1	0.1908886209	0.1470531380	1.2980928090	0.1943
BWHTCAT_5	Birth Weight 1250 to 1499 grams	1	0.0257228783	0.1301362652	0.1976611074	0.8433
BWHTCAT_6	Birth Weight 1000 to 1249 grams	1	0.8284906909	0.1204955533	6.8756951467	<.0001
BWHTCAT_7	Birth Weight 750 to 999 grams	1	1.5132383256	0.0986096829	15.3457376677	<.0001
BWHTCAT_8	Birth Weight <=749 grams	1	2.0828390756	0.0980213954	21.2488208931	<.0001

c-statistic=0.787

Appendix: Additional Tables

Table A.1. Population Age and Birth Weight Categories

AGE IN YEARS CATEGORIES (PAGECAT)	
AGE_5	4 to 9 years
AGE_6	10 to 14 years
AGE_7	15 to 17 years
AGE IN DAYS CATEGORIES (AGEDCAT)	
AGE_2	0 to 59 days
AGE_3	60 to 179 days
AGE_1_2	180 to 364 days
AGE_2_3	< 180 days
BIRTH WEIGHT CATEGORIES (BWHTCAT)	
BWHTCAT_2	2000-2499 grams
BWHTCAT_3	1750-1999 grams
BWHTCAT_4	1500-1749 grams
BWHTCAT_5	1250-1499 grams
BWHTCAT_6	1000-1249 grams
BWHTCAT_7	750-999 grams
BWHTCAT_8	<=749 grams

Table A.2. Modified Diagnosis-Related Group (MDRG) Categories

The modified DRG (MDRG) pools individual CMS-DRGs and MS-DRGs into a larger category. The MDRG is a four digit code. The first two digits are the Major Diagnostic Category (MDC), and the second two digits are a sequence number (e.g., 01-04) within MDC. MS-DRGs that are divided into separate MS-DRGs due to the presence of CC and Major CC (MCC) are pooled into a single MDRG. The CMS crosswalk was used to pool MS-DRGs into a single MDRG.

Column headers are abbreviated as follows:

- M/S – Medical / Surgical DRG Indicator (MEDICDR* / SURGIDR*)
- MDRG – Modified DRG
- MS-DRG – Diagnosis-Related Group (DRG) Version 38.1

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	7701	1	HEART TRANSPLANT OR IMPLANT OF HEART ASSIST SYSTEM WITH MCC
S	7701	2	HEART TRANSPLANT OR IMPLANT OF HEART ASSIST SYSTEM WITHOUT MCC
S	7799	3	ECMO OR TRACHEOSTOMY WITH MV >96 HOURS OR PDX EXCEPT FACE MOUTH AND NECK WITH MAJOR O.R. PROCEDURE
S	7799	4	TRACHEOSTOMY WITH MV >96 HOURS OR PDX EXCEPT FACE MOUTH AND NECK WITHOUT MAJOR O.R. PROCEDURE
S	7702	5	LIVER TRANSPLANT WITH MCC OR INTESTINAL TRANSPLANT
S	7702	6	LIVER TRANSPLANT WITHOUT MCC
S	7703	7	LUNG TRANSPLANT
S	7704	8	SIMULTANEOUS PANCREAS AND KIDNEY TRANSPLANT
S	7706	10	PANCREAS TRANSPLANT
S	7799	11	TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES OR LARYNGECTOMY W MCC
S	7799	12	TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES OR LARYNGECTOMY W CC
S	7799	13	TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES OR LARYNGECTOMY W/O CC/MCC
M	7705	14	ALLOGENEIC BONE MARROW TRANSPLANT
M	7705	16	AUTOLOGOUS BONE MARROW TRANSPLANT WITH CC/MCC
M	7705	17	AUTOLOGOUS BONE MARROW TRANSPLANT WITHOUT CC/MCC
M	7707	18	CHIMERIC ANTIGEN RECEPTOR (CAR) T-CELL AND OTHER IMMUNOTHERAPIES
S	7704	19	SIMULTANEOUS PANCREAS AND KIDNEY TRANSPLANT WITH HEMODIALYSIS

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	101	20	INTRACRANIAL VASCULAR PROCEDURES WITH PDX HEMORRHAGE WITH MCC
S	101	21	INTRACRANIAL VASCULAR PROCEDURES WITH PDX HEMORRHAGE WITH CC
S	101	22	INTRACRANIAL VASCULAR PROCEDURES WITH PDX HEMORRHAGE WITHOUT CC/MCC
S	102	23	CRANIOTOMY W MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PDX W MCC OR CHEMOTHERAPY IMPLANT OR EPILEPSY W NEUROSTIMULATOR
S	102	24	CRANIOTOMY WITH MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PDX WITHOUT MCC
S	103	25	CRANIOTOMY AND ENDOVASCULAR INTRACRANIAL PROCEDURES WITH MCC
S	103	26	CRANIOTOMY AND ENDOVASCULAR INTRACRANIAL PROCEDURES WITH CC
S	103	27	CRANIOTOMY AND ENDOVASCULAR INTRACRANIAL PROCEDURES WITHOUT CC/MCC
S	104	28	SPINAL PROCEDURES WITH MCC
S	104	29	SPINAL PROCEDURES WITH CC OR SPINAL NEUROSTIMULATORS
S	104	30	SPINAL PROCEDURES WITHOUT CC/MCC
S	105	31	VENTRICULAR SHUNT PROCEDURES WITH MCC
S	105	32	VENTRICULAR SHUNT PROCEDURES WITH CC
S	105	33	VENTRICULAR SHUNT PROCEDURES WITHOUT CC/MCC
S	106	34	CAROTID ARTERY STENT PROCEDURE WITH MCC
S	106	35	CAROTID ARTERY STENT PROCEDURE WITH CC
S	106	36	CAROTID ARTERY STENT PROCEDURE WITHOUT CC/MCC
S	107	37	EXTRACRANIAL PROCEDURES WITH MCC
S	107	38	EXTRACRANIAL PROCEDURES WITH CC
S	107	39	EXTRACRANIAL PROCEDURES WITHOUT CC/MCC
S	108	40	PERIPHERAL CRANIAL NERVE AND OTHER NERVOUS SYSTEM PROCEDURES WITH MCC
S	108	41	PERIPHERAL CRANIAL NERVE AND OTHER NERVOUS SYSTEM PROCEDURES WITH CC OR PERIPHERAL NEUROSTIMULATOR
S	108	42	PERIPHERAL CRANIAL NERVE AND OTHER NERVOUS SYSTEM PROCEDURES WITHOUT CC/MCC
M	109	52	SPINAL DISORDERS AND INJURIES WITH CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	109	53	SPINAL DISORDERS AND INJURIES WITHOUT CC/MCC
M	110	54	NERVOUS SYSTEM NEOPLASMS WITH MCC
M	110	55	NERVOUS SYSTEM NEOPLASMS WITHOUT MCC
M	111	56	DEGENERATIVE NERVOUS SYSTEM DISORDERS WITH MCC
M	111	57	DEGENERATIVE NERVOUS SYSTEM DISORDERS WITHOUT MCC
M	112	58	MULTIPLE SCLEROSIS AND CEREBELLAR ATAXIA WITH MCC
M	112	59	MULTIPLE SCLEROSIS AND CEREBELLAR ATAXIA WITH CC
M	112	60	MULTIPLE SCLEROSIS AND CEREBELLAR ATAXIA WITHOUT CC/MCC
M	113	61	ISCHEMIC STROKE, PRECEREBRAL OCCLUSION OR TRANSIENT ISCHEMIA WITH THROMBOLYTIC AGENT WITH MCC
M	113	62	ISCHEMIC STROKE, PRECEREBRAL OCCLUSION OR TRANSIENT ISCHEMIA WITH THROMBOLYTIC AGENT WITH CC
M	113	63	ISCHEMIC STROKE, PRECEREBRAL OCCLUSION OR TRANSIENT ISCHEMIA WITH THROMBOLYTIC AGENT WITHOUT CC/MCC
M	114	64	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION WITH MCC
M	114	65	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION WITH CC OR TPA IN 24 HOURS
M	114	66	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION WITHOUT CC/MCC
M	115	67	NONSPECIFIC CVA AND PRECEREBRAL OCCLUSION WITHOUT INFARCTION WITH MCC
M	115	68	NONSPECIFIC CVA AND PRECEREBRAL OCCLUSION WITHOUT INFARCTION WITHOUT MCC
M	116	69	TRANSIENT ISCHEMIA W/O THROMBOLYTIC
M	117	70	NONSPECIFIC CEREBROVASCULAR DISORDERS WITH MCC
M	117	71	NONSPECIFIC CEREBROVASCULAR DISORDERS WITH CC
M	117	72	NONSPECIFIC CEREBROVASCULAR DISORDERS WITHOUT CC/MCC
M	118	73	CRANIAL AND PERIPHERAL NERVE DISORDERS WITH MCC
M	118	74	CRANIAL AND PERIPHERAL NERVE DISORDERS WITHOUT MCC
M	119	75	VIRAL MENINGITIS WITH CC/MCC
M	119	76	VIRAL MENINGITIS WITHOUT CC/MCC
M	120	77	HYPERTENSIVE ENCEPHALOPATHY WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	120	78	HYPERTENSIVE ENCEPHALOPATHY WITH CC
M	120	79	HYPERTENSIVE ENCEPHALOPATHY WITHOUT CC/MCC
M	121	80	NONTRAUMATIC STUPOR AND COMA WITH MCC
M	121	81	NONTRAUMATIC STUPOR AND COMA WITHOUT MCC
M	122	82	TRAUMATIC STUPOR AND COMA COMA >1 HOUR WITH MCC
M	122	83	TRAUMATIC STUPOR AND COMA COMA >1 HOUR WITH CC
M	122	84	TRAUMATIC STUPOR AND COMA COMA >1 HOUR WITHOUT CC/MCC
M	123	85	TRAUMATIC STUPOR AND COMA COMA <1 HOUR WITH MCC
M	123	86	TRAUMATIC STUPOR AND COMA COMA <1 HOUR WITH CC
M	123	87	TRAUMATIC STUPOR AND COMA COMA <1 HOUR WITHOUT CC/MCC
M	124	88	CONCUSSION WITH MCC
M	124	89	CONCUSSION WITH CC
M	124	90	CONCUSSION WITHOUT CC/MCC
M	125	91	OTHER DISORDERS OF NERVOUS SYSTEM WITH MCC
M	125	92	OTHER DISORDERS OF NERVOUS SYSTEM WITH CC
M	125	93	OTHER DISORDERS OF NERVOUS SYSTEM WITHOUT CC/MCC
M	126	94	BACTERIAL AND TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM WITH MCC
M	126	95	BACTERIAL AND TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM WITH CC
M	126	96	BACTERIAL AND TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM WITHOUT CC/MCC
M	127	97	NON-BACTERIAL INFECTION OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS WITH MCC
M	127	98	NON-BACTERIAL INFECTION OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS WITH CC
M	127	99	NON-BACTERIAL INFECTION OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS WITHOUT CC/MCC
M	128	100	SEIZURES WITH MCC
M	128	101	SEIZURES WITHOUT MCC
M	129	102	HEADACHES WITH MCC
M	129	103	HEADACHES WITHOUT MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	201	113	ORBITAL PROCEDURES WITH CC/MCC
S	201	114	ORBITAL PROCEDURES WITHOUT CC/MCC
S	202	115	EXTRAOCULAR PROCEDURES EXCEPT ORBIT
S	203	116	INTRAOCULAR PROCEDURES WITH CC/MCC
S	203	117	INTRAOCULAR PROCEDURES WITHOUT CC/MCC
M	204	121	ACUTE MAJOR EYE INFECTIONS WITH CC/MCC
M	204	122	ACUTE MAJOR EYE INFECTIONS WITHOUT CC/MCC
M	205	123	NEUROLOGICAL EYE DISORDERS
M	206	124	OTHER DISORDERS OF THE EYE WITH MCC
M	206	125	OTHER DISORDERS OF THE EYE WITHOUT MCC
S	301	129	MAJOR HEAD AND NECK PROCEDURES WITH CC/MCC OR MAJOR DEVICE
S	301	130	MAJOR HEAD AND NECK PROCEDURES WITHOUT CC/MCC
S	301	131	CRANIAL AND FACIAL PROCEDURES WITH CC/MCC
S	301	132	CRANIAL AND FACIAL PROCEDURES WITHOUT CC/MCC
S	302	133	OTHER EAR NOSE MOUTH AND THROAT O.R. PROCEDURES WITH CC/MCC
S	302	134	OTHER EAR NOSE MOUTH AND THROAT O.R. PROCEDURES WITHOUT CC/MCC
S	303	135	SINUS AND MASTOID PROCEDURES WITH CC/MCC
S	303	136	SINUS AND MASTOID PROCEDURES WITHOUT CC/MCC
S	304	137	MOUTH PROCEDURES WITH CC/MCC
S	304	138	MOUTH PROCEDURES WITHOUT CC/MCC
S	305	139	SALIVARY GLAND PROCEDURES
S	301	140	MAJOR HEAD AND NECK PROCEDURES WITH MCC
S	301	141	MAJOR HEAD AND NECK PROCEDURES WITH CC
S	301	142	MAJOR HEAD AND NECK PROCEDURES WITHOUT CC/MCC
S	302	143	OTHER EAR, NOSE, MOUTH AND THROAT O.R. PROCEDURES WITH MCC
S	302	144	OTHER EAR, NOSE, MOUTH AND THROAT O.R. PROCEDURES WITH CC
S	302	145	OTHER EAR, NOSE, MOUTH AND THROAT O.R. PROCEDURES WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	306	146	EAR NOSE MOUTH AND THROAT MALIGNANCY WITH MCC
M	306	147	EAR NOSE MOUTH AND THROAT MALIGNANCY WITH CC
M	306	148	EAR NOSE MOUTH AND THROAT MALIGNANCY WITHOUT CC/MCC
M	307	149	DYSEQUILIBRIUM
M	308	150	EPISTAXIS WITH MCC
M	308	151	EPISTAXIS WITHOUT MCC
M	309	152	OTITIS MEDIA AND URI WITH MCC
M	309	153	OTITIS MEDIA AND URI WITHOUT MCC
M	310	154	OTHER EAR NOSE MOUTH AND THROAT DIAGNOSES WITH MCC
M	310	155	OTHER EAR NOSE MOUTH AND THROAT DIAGNOSES WITH CC
M	310	156	OTHER EAR NOSE MOUTH AND THROAT DIAGNOSES WITHOUT CC/MCC
M	311	157	DENTAL AND ORAL DISEASES WITH MCC
M	311	158	DENTAL AND ORAL DISEASES WITH CC
M	311	159	DENTAL AND ORAL DISEASES WITHOUT CC/MCC
S	401	163	MAJOR CHEST PROCEDURES WITH MCC
S	401	164	MAJOR CHEST PROCEDURES WITH CC
S	401	165	MAJOR CHEST PROCEDURES WITHOUT CC/MCC
S	402	166	OTHER RESPIRATORY SYSTEM O.R. PROCEDURES WITH MCC
S	402	167	OTHER RESPIRATORY SYSTEM O.R. PROCEDURES WITH CC
S	402	168	OTHER RESPIRATORY SYSTEM O.R. PROCEDURES WITHOUT CC/MCC
M	403	175	PULMONARY EMBOLISM W MCC OR ACUTE COR PULMONALE
M	403	176	PULMONARY EMBOLISM WITHOUT MCC
M	404	177	RESPIRATORY INFECTIONS AND INFLAMMATIONS WITH MCC
M	404	178	RESPIRATORY INFECTIONS AND INFLAMMATIONS WITH CC
M	404	179	RESPIRATORY INFECTIONS AND INFLAMMATIONS WITHOUT CC/MCC
M	405	180	RESPIRATORY NEOPLASMS WITH MCC
M	405	181	RESPIRATORY NEOPLASMS WITH CC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	405	182	RESPIRATORY NEOPLASMS WITHOUT CC/MCC
M	406	183	MAJOR CHEST TRAUMA WITH MCC
M	406	184	MAJOR CHEST TRAUMA WITH CC
M	406	185	MAJOR CHEST TRAUMA WITHOUT CC/MCC
M	407	186	PLEURAL EFFUSION WITH MCC
M	407	187	PLEURAL EFFUSION WITH CC
M	407	188	PLEURAL EFFUSION WITHOUT CC/MCC
M	408	189	PULMONARY EDEMA AND RESPIRATORY FAILURE
M	409	190	CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITH MCC
M	409	191	CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITH CC
M	409	192	CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITHOUT CC/MCC
M	410	193	SIMPLE PNEUMONIA AND PLEURISY WITH MCC
M	410	194	SIMPLE PNEUMONIA AND PLEURISY WITH CC
M	410	195	SIMPLE PNEUMONIA AND PLEURISY WITHOUT CC/MCC
M	411	196	INTERSTITIAL LUNG DISEASE WITH MCC
M	411	197	INTERSTITIAL LUNG DISEASE WITH CC
M	411	198	INTERSTITIAL LUNG DISEASE WITHOUT CC/MCC
M	412	199	PNEUMOTHORAX WITH MCC
M	412	200	PNEUMOTHORAX WITH CC
M	412	201	PNEUMOTHORAX WITHOUT CC/MCC
M	413	202	BRONCHITIS AND ASTHMA WITH CC/MCC
M	413	203	BRONCHITIS AND ASTHMA WITHOUT CC/MCC
M	414	204	RESPIRATORY SIGNS AND SYMPTOMS
M	415	205	OTHER RESPIRATORY SYSTEM DIAGNOSES WITH MCC
M	415	206	OTHER RESPIRATORY SYSTEM DIAGNOSES WITHOUT MCC
M	416	207	RESPIRATORY SYSTEM DIAGNOSIS W VENTILATOR SUPPORT >96 HOURS OR PERIPHERAL EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO)

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	416	208	RESPIRATORY SYSTEM DIAGNOSIS W VENTILATOR SUPPORT <=96 HOURS
S	501	215	OTHER HEART ASSIST SYSTEM IMPLANT
S	503	216	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES WITH CARDIAC CATHETERIZATION WITH MCC
S	503	217	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES WITH CARDIAC CATHETERIZATION WITH CC
S	503	218	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES WITH CARDIAC CATHETERIZATION WITHOUT CC/MCC
S	503	219	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES WITHOUT CARDIAC CATHETERIZATION WITH MCC
S	503	220	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES WITHOUT CARDIAC CATHETERIZATION WITH CC
S	503	221	CARDIAC VALVE AND OTHER MAJOR CARDIOTHORACIC PROCEDURES WITHOUT CARDIAC CATHETERIZATION WITHOUT CC/MC
S	537	222	CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION WITH AMI/HF/SHOCK WITH MCC
S	537	223	CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION WITH AMI/HF/SHOCK WITHOUT MCC
S	538	224	CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION WITHOUT AMI/HF/SHOCK WITH MCC
S	538	225	CARDIAC DEFIBRILLATOR IMPLANT WITH CARDIAC CATHETERIZATION WITHOUT AMI/HF/SHOCK WITHOUT MCC
S	539	226	CARDIAC DEFIBRILLATOR IMPLANT WITHOUT CARDIAC CATHETERATION WITH MCC
S	539	227	CARDIAC DEFIBRILLATOR IMPLANT WITHOUT CARDIAC CATHETERIZATION WITHOUT MCC
S	505	228	OTHER CARDIOTHORACIC PROCEDURES WITH MCC
S	505	229	OTHER CARDIOTHORACIC PROCEDURES WITHOUT MCC
S	505	230	OTHER CARDIOTHORACIC PROCEDURES WITHOUT CC/MCC
S	506	231	CORONARY BYPASS WITH PTCA WITH MCC
S	506	232	CORONARY BYPASS WITH PTCA WITHOUT MCC
S	507	233	CORONARY BYPASS WITH CARDIAC CATHETERIZATION OR OPEN ABLATION WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	507	234	CORONARY BYPASS WITH CARDIAC CATHETERIZATION OR OPEN ABLATION WITHOUT MCC
S	508	235	CORONARY BYPASS WITHOUT CARDIAC CATHETERIZATION WITH MCC
S	508	236	CORONARY BYPASS WITHOUT CARDIAC CATHETERIZATION WITHOUT MCC
S	509	239	AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS EXCEPT UPPER LIMB AND TOE WITH MCC
S	509	240	AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS EXCEPT UPPER LIMB AND TOE WITH CC
S	509	241	AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS EXCEPT UPPER LIMB AND TOE WITHOUT CC/MCC
S	510	242	PERMANENT CARDIAC PACEMAKER IMPLANT WITH MCC
S	510	243	PERMANENT CARDIAC PACEMAKER IMPLANT WITH CC
S	510	244	PERMANENT CARDIAC PACEMAKER IMPLANT WITHOUT CC/MCC
S	512	245	AICD GENERATOR PROCEDURES
S	511	246	PERCUTANEOUS CARDIOVASCULAR PROCEDURES W DRUG-ELUTING STENT W MCC OR 4+ ARTERIES OR STENTS
S	511	247	PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITH DRUG-ELUTING STENT WITHOUT MCC
S	502	248	PERCUTANEOUS CARDIOVASCULAR PROCEDURES W NON-DRUG-ELUTING STENT W MCC OR 4+ ARTERIES OR STENTS
S	502	249	PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITH NON-DRUG-ELUTING STENT WITHOUT MCC
S	513	250	PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITHOUT CORONARY ARTERY STENT WITH MCC
S	513	251	PERCUTANEOUS CARDIOVASCULAR PROCEDURES WITHOUT CORONARY ARTERY STENT WITHOUT MCC
S	514	252	OTHER VASCULAR PROCEDURES WITH MCC
S	514	253	OTHER VASCULAR PROCEDURES WITH CC
S	514	254	OTHER VASCULAR PROCEDURES WITHOUT CC/MCC
S	515	255	UPPER LIMB AND TOE AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	515	256	UPPER LIMB AND TOE AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS WITH CC
S	515	257	UPPER LIMB AND TOE AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS WITHOUT CC/MCC
S	516	258	CARDIAC PACEMAKER DEVICE REPLACEMENT WITH MCC
S	516	259	CARDIAC PACEMAKER DEVICE REPLACEMENT WITHOUT MCC
S	517	260	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT WITH MCC
S	517	261	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT WITH CC
S	517	262	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT WITHOUT CC/MCC
S	518	263	VEIN LIGATION AND STRIPPING
S	519	264	OTHER CIRCULATORY SYSTEM O.R. PROCEDURES
S	512	265	AICD LEAD PROCEDURES
S	540	266	ENDOVASCULAR CARDIAC VALVE REPLACEMENT & SUPPLEMENT PROCEDURES W MCC
S	540	267	ENDOVASCULAR CARDIAC VALVE REPLACEMENT & SUPPLEMENT PROCEDURES W/O MCC
S	541	268	AORTIC AND HEART ASSIST PROCEDURES EXCEPT PULSATION BALLOON W MCC
S	541	269	AORTIC AND HEART ASSIST PROCEDURES EXCEPT PULSATION BALLOON W/O MCC
S	542	270	OTHER MAJOR CARDIOVASCULAR PROCEDURES W MCC
S	542	271	OTHER MAJOR CARDIOVASCULAR PROCEDURES W CC
S	542	272	OTHER MAJOR CARDIOVASCULAR PROCEDURES W/O CC/MCC
S	543	273	PERCUTANEOUS AND OTHER INTRACARDIAC PROCEDURES WITH MCC
S	543	274	PERCUTANEOUS AND OTHER INTRACARDIAC PROCEDURES WITHOUT MCC
M	520	280	ACUTE MYOCARDIAL INFARCTION DISCHARGED ALIVE WITH MCC
M	520	281	ACUTE MYOCARDIAL INFARCTION DISCHARGED ALIVE WITH CC
M	520	282	ACUTE MYOCARDIAL INFARCTION DISCHARGED ALIVE WITHOUT CC/MCC
M	520	283	ACUTE MYOCARDIAL INFARCTION EXPIRED WITH MCC
M	520	284	ACUTE MYOCARDIAL INFARCTION EXPIRED WITH CC
M	520	285	ACUTE MYOCARDIAL INFARCTION EXPIRED WITHOUT CC/MCC
M	522	286	CIRCULATORY DISORDERS EXCEPT AMI WITH CARDIAC CATETERIZATION WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	522	287	CIRCULATORY DISORDERS EXCEPT AMI WITH CARDIAC CATETERIZATION WITHOUT MCC
M	523	288	ACUTE AND SUBACUTE ENDOCARDITIS WITH MCC
M	523	289	ACUTE AND SUBACUTE ENDOCARDITIS WITH CC
M	523	290	ACUTE AND SUBACUTE ENDOCARDITIS WITHOUT CC/MCC
M	524	291	HEART FAILURE & SHOCK W MCC
M	524	292	HEART FAILURE AND SHOCK WITH CC
M	524	293	HEART FAILURE AND SHOCK WITHOUT CC/MCC
M	525	294	DEEP VEIN THROMBOPHLEBITIS WITH CC/MCC
M	525	295	DEEP VEIN THROMBOPHLEBITIS WITHOUT CC/MCC
M	526	296	CARDIAC ARREST, UNEXPLAINED W MCC
M	526	297	CARDIAC ARREST UNEXPLAINED WITH CC
M	526	298	CARDIAC ARREST UNEXPLAINED WITHOUT CC/MCC
M	527	299	PERIPHERAL VASCULAR DISORDERS WITH MCC
M	527	300	PERIPHERAL VASCULAR DISORDERS WITH CC
M	527	301	PERIPHERAL VASCULAR DISORDERS WITHOUT CC/MCC
M	528	302	ATHEROSCLEROSIS WITH MCC
M	528	303	ATHEROSCLEROSIS WITHOUT MCC
M	529	304	HYPERTENSION WITH MCC
M	529	305	HYPERTENSION WITHOUT MCC
M	530	306	CARDIAC CONGENITAL AND VALVULAR DISORDERS WITH MCC
M	530	307	CARDIAC CONGENITAL AND VALVULAR DISORDERS WITHOUT MCC
M	531	308	CARDIAC ARRHYTHMIA AND CONDUCTION DISORDERS WITH MCC
M	531	309	CARDIAC ARRHYTHMIA AND CONDUCTION DISORDERS WITH CC
M	531	310	CARDIAC ARRHYTHMIA AND CONDUCTION DISORDERS WITHOUT CC/MCC
M	532	311	ANGINA PECTORIS
M	533	312	SYNCOPE AND COLLAPSE
M	534	313	CHEST PAIN

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	535	314	OTHER CIRCULATORY SYSTEM DIAGNOSES WITH MCC
M	535	315	OTHER CIRCULATORY SYSTEM DIAGNOSES WITH CC
M	535	316	OTHER CIRCULATORY SYSTEM DIAGNOSES WITHOUT CC/MCC
S	536	319	OTHER ENDOVASCULAR CARDIAC VALVE PROCEDURES W MCC
S	536	320	OTHER ENDOVASCULAR CARDIAC VALVE PROCEDURES W/O MCC
S	601	326	STOMACH ESOPHAGEAL AND DUODENAL PROCEDURES WITH MCC
S	601	327	STOMACH ESOPHAGEAL AND DUODENAL PROCEDURES WITH CC
S	601	328	STOMACH ESOPHAGEAL AND DUODENAL PROCEDURES WITHOUT CC/MCC
S	602	329	MAJOR SMALL AND LARGE BOWEL PROCEDURES WITH MCC
S	602	330	MAJOR SMALL AND LARGE BOWEL PROCEDURES WITH CC
S	602	331	MAJOR SMALL AND LARGE BOWEL PROCEDURES WITHOUT CC/MCC
S	603	332	RECTAL RESECTION WITH MCC
S	603	333	RECTAL RESECTION WITH CC
S	603	334	RECTAL RESECTION WITHOUT CC/MCC
S	604	335	PERITONEAL ADHESIOLYSIS WITH MCC
S	604	336	PERITONEAL ADHESIOLYSIS WITH CC
S	604	337	PERITONEAL ADHESIOLYSIS WITHOUT CC/MCC
S	605	338	APPENDECTOMY WITH COMPLICATED PRINCIPAL DIAGNOSIS WITH MCC
S	605	339	APPENDECTOMY WITH COMPLICATED PRINCIPAL DIAGNOSIS WITH CC
S	605	340	APPENDECTOMY WITH COMPLICATED PRINCIPAL DIAGNOSIS WITHOUT CC/MCC
S	606	341	APPENDECTOMY WITHOUT COMPLICATED PRINCIPAL DIAGNOSIS WITH MCC
S	606	342	APPENDECTOMY WITHOUT COMPLICATED PRINCIPAL DIAGNOSIS WITH CC
S	606	343	APPENDECTOMY WITHOUT COMPLICATED PRINCIPAL DIAGNOSIS WITHOUT CC/MCC
S	607	344	MINOR SMALL AND LARGE BOWEL PROCEDURES WITH MCC
S	607	345	MINOR SMALL AND LARGE BOWEL PROCEDURES WITH CC
S	607	346	MINOR SMALL AND LARGE BOWEL PROCEDURES WITHOUT CC/MCC
S	608	347	ANAL AND STOMAL PROCEDURES WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	608	348	ANAL AND STOMAL PROCEDURES WITH CC
S	608	349	ANAL AND STOMAL PROCEDURES WITHOUT CC/MCC
S	609	350	INGUINAL AND FEMORAL HERNIA PROCEDURES WITH MCC
S	609	351	INGUINAL AND FEMORAL HERNIA PROCEDURES WITH CC
S	609	352	INGUINAL AND FEMORAL HERNIA PROCEDURES WITHOUT CC/MCC
S	610	353	HERNIA PROCEDURES EXCEPT INGUINAL AND FEMORAL WITH MCC
S	610	354	HERNIA PROCEDURES EXCEPT INGUINAL AND FEMORAL WITH CC
S	610	355	HERNIA PROCEDURES EXCEPT INGUINAL AND FEMORAL WITHOUT CC/MCC
S	611	356	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES WITH MCC
S	611	357	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES WITH CC
S	611	358	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES WITHOUT CC/MCC
M	612	368	MAJOR ESOPHAGEAL DISORDERS WITH MCC
M	612	369	MAJOR ESOPHAGEAL DISORDERS WITH CC
M	612	370	MAJOR ESOPHAGEAL DISORDERS WITHOUT CC/MCC
M	613	371	MAJOR GASTROINTESTINAL DISORDERS AND PERITONEAL INFECTIONS WITH MCC
M	613	372	MAJOR GASTROINTESTINAL DISORDERS AND PERITONEAL INFECTIONS WITH CC
M	613	373	MAJOR GASTROINTESTINAL DISORDERS AND PERITONEAL INFECTIONS WITHOUT CC/MCC
M	614	374	DIGESTIVE MALIGNANCY WITH MCC
M	614	375	DIGESTIVE MALIGNANCY WITH CC
M	614	376	DIGESTIVE MALIGNANCY WITHOUT CC/MCC
M	615	377	G.I. HEMORRHAGE WITH MCC
M	615	378	G.I. HEMORRHAGE WITH CC
M	615	379	G.I. HEMORRHAGE WITHOUT CC/MCC
M	616	380	COMPLICATED PEPTIC ULCER WITH MCC
M	616	381	COMPLICATED PEPTIC ULCER WITH CC
M	616	382	COMPLICATED PEPTIC ULCER WITHOUT CC/MCC
M	617	383	UNCOMPLICATED PEPTIC ULCER WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	617	384	UNCOMPLICATED PEPTIC ULCER WITHOUT MCC
M	618	385	INFLAMMATORY BOWEL DISEASE WITH MCC
M	618	386	INFLAMMATORY BOWEL DISEASE WITH CC
M	618	387	INFLAMMATORY BOWEL DISEASE WITHOUT CC/MCC
M	619	388	G.I. OBSTRUCTION WITH MCC
M	619	389	G.I. OBSTRUCTION WITH CC
M	619	390	G.I. OBSTRUCTION WITHOUT CC/MCC
M	620	391	ESOPHAGITIS GASTROENTERITIS AND MISCELLANEOUS DIGESTIVE DISORDERS WITH MCC
M	620	392	ESOPHAGITIS GASTROENTERITIS AND MISCELLANEOUS DIGESTIVE DISORDERS WITHOUT MCC
M	621	393	OTHER DIGESTIVE SYSTEM DIAGNOSES WITH MCC
M	621	394	OTHER DIGESTIVE SYSTEM DIAGNOSES WITH CC
M	621	395	OTHER DIGESTIVE SYSTEM DIAGNOSES WITHOUT CC/MCC
S	701	405	PANCREAS LIVER AND SHUNT PROCEDURES WITH MCC
S	701	406	PANCREAS LIVER AND SHUNT PROCEDURES WITH CC
S	701	407	PANCREAS LIVER AND SHUNT PROCEDURES WITHOUT CC/MCC
S	702	408	BILIARY TRACT PROCEDURE EXCEPT ONLY CHOLECYSTECTOMY WITH OR WITHOUT C.D.E. WITH MCC
S	702	409	BILIARY TRACT PROCEDURE EXCEPT ONLY CHOLECYSTECTOMY WITH OR WITHOUT C.D.E. WITH CC
S	702	410	BILIARY TRACT PROC EXCEPT ONLY CHOLECYST WITH OR WITHOUT C.D.E. WITHOUT CC/MCC
S	703	411	CHOLECYSTECTOMY WITH C.D.E. WITH MCC
S	703	412	CHOLECYSTECTOMY WITH C.D.E. WITH CC
S	703	413	CHOLECYSTECTOMY WITH C.D.E. WITHOUT CC/MCC
S	704	414	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE WITHOUT C.D.E. WITH MCC
S	704	415	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE WITHOUT C.D.E. WITH CC
S	704	416	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE WITHOUT C.D.E. WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	705	417	LAPAROSCOPIC CHOLECYSTECTOMY WITHOUT C.D.E. WITH MCC
S	705	418	LAPAROSCOPIC CHOLECYSTECTOMY WITHOUT C.D.E. WITH CC
S	705	419	LAPAROSCOPIC CHOLECYSTECTOMY WITHOUT C.D.E. WITHOUT CC/MCC
S	706	420	HEPATOBILIARY DIAGNOSTIC PROCEDURES WITH MCC
S	706	421	HEPATOBILIARY DIAGNOSTIC PROCEDURES WITH CC
S	706	422	HEPATOBILIARY DIAGNOSTIC PROCEDURES WITHOUT CC/MCC
S	707	423	OTHER HEPATOBILIARY OR PANCREAS O.R. PROCEDURES WITH MCC
S	707	424	OTHER HEPATOBILIARY OR PANCREAS O.R. PROCEDURES WITH CC
S	707	425	OTHER HEPATOBILIARY OR PANCREAS O.R. PROCEDURES WITHOUT CC/MCC
M	708	432	CIRRHOSIS AND ALCOHOLIC HEPATITIS WITH MCC
M	708	433	CIRRHOSIS AND ALCOHOLIC HEPATITIS WITH CC
M	708	434	CIRRHOSIS AND ALCOHOLIC HEPATITIS WITHOUT CC/MCC
M	709	435	MALIGNANCY OF HEPATOBILIARY SYSTEM OR PANCREAS WITH MCC
M	709	436	MALIGNANCY OF HEPATOBILIARY SYSTEM OR PANCREAS WITH CC
M	709	437	MALIGNANCY OF HEPATOBILIARY SYSTEM OR PANCREAS WITHOUT CC/MCC
M	710	438	DISORDERS OF PANCREAS EXCEPT MALIGNANCY WITH MCC
M	710	439	DISORDERS OF PANCREAS EXCEPT MALIGNANCY WITH CC
M	710	440	DISORDERS OF PANCREAS EXCEPT MALIGNANCY WITHOUT CC/MCC
M	711	441	DISORDERS OF LIVER EXCEPT MALIGNANCY CIRRHOsis OR ALCOHOLIC HEPATITIS WITH MCC
M	711	442	DISORDERS OF LIVER EXCEPT MALIGNANCY CIRRHOsis OR ALCOHOLIC HEPATITIS WITH CC
M	711	443	DISORDERS OF LIVER EXCEPT MALIGNANCY CIRRHOsis OR ALCOHOLIC HEPATITIS WITHOUT CC/MCC
M	712	444	DISORDERS OF THE BILIARY TRACT WITH MCC
M	712	445	DISORDERS OF THE BILIARY TRACT WITH CC
M	712	446	DISORDERS OF THE BILIARY TRACT WITHOUT CC/MCC
S	801	453	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	801	454	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION WITH CC
S	801	455	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION WITHOUT CC/MCC
S	802	456	SPINAL FUSION EXCEPT CERVICAL WITH SPINAL CURVATURE OR MALIGNANCY OR INFECTION OR EXTENSIVE FUSIONS WITH MCC
S	802	457	SPINAL FUSION EXCEPT CERVICAL WITH SPINAL CURVATURE OR MALIGNANCY OR INFECTION OR EXTENSIVE FUSIONS WITH CC
S	802	458	SPINAL FUSION EXCEPT CERVICAL WITH SPINAL CURVATURE OR MALIGNANCY OR INFECTION OR EXTENSIVE FUSIONS WITHOUT CC/MCC
S	803	459	SPINAL FUSION EXCEPT CERVICAL WITH MCC
S	803	460	SPINAL FUSION EXCEPT CERVICAL WITHOUT MCC
S	804	461	BILATERAL OR MULTIPLE MAJOR JOINT PROCEDURES OF LOWER EXTREMITY WITH MCC
S	804	462	BILATERAL OR MULTIPLE MAJOR JOINT PROCEDURES OF LOWER EXTREMITY WITHOUT MCC
S	805	463	WOUND DEBRIDEMENT AND SKIN GRAFT EXCEPT HAND FOR MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISORDERS WITH MCC
S	805	464	WOUND DEBRIDEMENT AND SKIN GRAFT EXCEPT HAND FOR MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISORDERS WITH CC
S	805	465	WOUND DEBRIDEMENT AND SKIN GRAFT EXCEPT HAND FOR MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISORDERS WITHOUT CC/MCC
S	806	466	REVISION OF HIP OR KNEE REPLACEMENT WITH MCC
S	806	467	REVISION OF HIP OR KNEE REPLACEMENT WITH CC
S	806	468	REVISION OF HIP OR KNEE REPLACEMENT WITHOUT CC/MCC
S	807	469	MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W MCC OR TOTAL ANKLE REPLACEMENT
S	807	470	MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC
S	808	471	CERVICAL SPINAL FUSION WITH MCC
S	808	472	CERVICAL SPINAL FUSION WITH CC
S	808	473	CERVICAL SPINAL FUSION WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	809	474	AMPUTATION FOR MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISORDERS WITH MCC
S	809	475	AMPUTATION FOR MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISORDERS WITH CC
S	809	476	AMPUTATION FOR MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISORDERS WITHOUT CC/MCC
S	810	477	BIOPSIES OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE WITH MCC
S	810	478	BIOPSIES OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE WITH CC
S	810	479	BIOPSIES OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE WITHOUT CC/MCC
S	811	480	HIP AND FEMUR PROCEDURES EXCEPT MAJOR JOINT WITH MCC
S	811	481	HIP AND FEMUR PROCEDURES EXCEPT MAJOR JOINT WITH CC
S	811	482	HIP AND FEMUR PROCEDURES EXCEPT MAJOR JOINT WITHOUT CC/MCC
S	812	483	MAJOR JOINT/LIMB REATTACHMENT PROCEDURE OF UPPER EXTREMITIES
S	813	485	KNEE PROCEDURES WITH PDX OF INFECTION WITH MCC
S	813	486	KNEE PROCEDURES WITH PDX OF INFECTION WITH CC
S	813	487	KNEE PROCEDURES WITH PDX OF INFECTION WITHOUT CC/MCC
S	814	488	KNEE PROCEDURES WITHOUT PDX OF INFECTION WITH CC/MCC
S	814	489	KNEE PROCEDURES WITHOUT PDX OF INFECTION WITHOUT CC/MCC
S	816	492	LOWER EXTREMITY AND HUMERUS PROCEDURES EXCEPT HIP FOOT AND FEMUR WITH MCC
S	816	493	LOWER EXTREMITY AND HUMERUS PROCEDURES EXCEPT HIP FOOT AND FEMUR WITH CC
S	816	494	LOWER EXTREMITY AND HUMERUS PROCEDURES EXCEPT HIP FOOT AND FEMUR WITHOUT CC/MCC
S	817	495	LOCAL EXCISION AND REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP AND FEMUR WITH MCC
S	817	496	LOCAL EXCISION AND REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP AND FEMUR WITH CC
S	817	497	LOCAL EXCISION AND REMOVAL INTERNAL FIXATION DEVICES EXCEPT HIP AND FEMUR WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	818	498	LOCAL EXCISION AND REMOVAL INTERNAL FIXATION DEVICES OF HIP AND FEMUR WITH CC/MCC
S	818	499	LOCAL EXCISION AND REMOVAL INTERNAL FIXATION DEVICES OF HIP AND FEMUR WITHOUT CC/MCC
S	819	500	SOFT TISSUE PROCEDURES WITH MCC
S	819	501	SOFT TISSUE PROCEDURES WITH CC
S	819	502	SOFT TISSUE PROCEDURES WITHOUT CC/MCC
S	820	503	FOOT PROCEDURES WITH MCC
S	820	504	FOOT PROCEDURES WITH CC
S	820	505	FOOT PROCEDURES WITHOUT CC/MCC
S	821	506	MAJOR THUMB OR JOINT PROCEDURES
S	822	507	MAJOR SHOULDER OR ELBOW JOINT PROCEDURES WITH CC/MCC
S	822	508	MAJOR SHOULDER OR ELBOW JOINT PROCEDURES WITHOUT CC/MCC
S	823	509	ARTHROSCOPY
S	824	510	SHOULDER ELBOW OR FOREARM PROCEDURES EXCEPT MAJOR JOINT PROCEDURES WITH MCC
S	824	511	SHOULDER ELBOW OR FOREARM PROCEDURES EXCEPT MAJOR JOINT PROCEDURES WITH CC
S	824	512	SHOULDER ELBOW OR FOREARM PROCEDURES EXCEPT MAJOR JOINT PROCEDURES WITHOUT CC/MCC
S	825	513	HAND OR WRIST PROCEDURES EXCEPT MAJOR THUMB OR JOINT PROCEDURES WITH CC/MCC
S	825	514	HAND OR WRIST PROCEDURES EXCEPT MAJOR THUMB OR JOINT PROCEDURES WITHOUT CC/MCC
S	826	515	OTHER MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE O.R. PROCEDURES WITH MCC
S	826	516	OTHER MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE O.R. PROCEDURES WITH CC
S	826	517	OTHER MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE O.R. PROCEDURES WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	815	518	BACK AND NECK PROCEDURES EXCEPT SPINAL FUSION WITH MCC OR DISC DEVICE OR NEUROSTIMULATOR
S	815	519	BACK AND NECK PROCEDURES EXCEPT SPINAL FUSION WITH CC
S	815	520	BACK AND NECK PROCEDURES EXCEPT SPINAL FUSION WITHOUT CC/MCC
S	841	521	HIP REPLACEMENT WITH PRINCIPAL DIAGNOSIS OF HIP FRACTURE WITH MCC
S	841	522	HIP REPLACEMENT WITH PRINCIPAL DIAGNOSIS OF HIP FRACTURE WITHOUT MCC
M	827	533	FRACTURES OF FEMUR WITH MCC
M	827	534	FRACTURES OF FEMUR WITHOUT MCC
M	828	535	FRACTURES OF HIP AND PELVIS WITH MCC
M	828	536	FRACTURES OF HIP AND PELVIS WITHOUT MCC
M	829	537	SPRAINS STRAINS AND DISLOCATIONS OF HIP PELVIS AND THIGH WITH CC/MCC
M	829	538	SPRAINS STRAINS AND DISLOCATIONS OF HIP PELVIS AND THIGH WITHOUT CC/MCC
M	830	539	OSTEOMYELITIS WITH MCC
M	830	540	OSTEOMYELITIS WITH CC
M	830	541	OSTEOMYELITIS WITHOUT CC/MCC
M	831	542	PATHOLOGICAL FRACTURES AND MUSCULOSKELETAL AND CONNECTIVE TISSUE MALIGNANCY WITH MCC
M	831	543	PATHOLOGICAL FRACTURES AND MUSCULOSKELETAL AND CONNECTIVE TISSUE MALIGNANCY WITH CC
M	831	544	PATHOLOGICAL FRACTURES AND MUSCULOSKELETAL AND CONNECTIVE TISSUE MALIGNANCY WITHOUT CC/MCC
M	832	545	CONNECTIVE TISSUE DISORDERS WITH MCC
M	832	546	CONNECTIVE TISSUE DISORDERS WITH CC
M	832	547	CONNECTIVE TISSUE DISORDERS WITHOUT CC/MCC
M	833	548	SEPTIC ARTHRITIS WITH MCC
M	833	549	SEPTIC ARTHRITIS WITH CC
M	833	550	SEPTIC ARTHRITIS WITHOUT CC/MCC
M	834	551	MEDICAL BACK PROBLEMS WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	834	552	MEDICAL BACK PROBLEMS WITHOUT MCC
M	835	553	BONE DISEASES AND ARTHROPATHIES WITH MCC
M	835	554	BONE DISEASES AND ARTHROPATHIES WITHOUT MCC
M	836	555	SIGNS AND SYMPTOMS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE WITH MCC
M	836	556	SIGNS AND SYMPTOMS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE WITHOUT MCC
M	837	557	TENDONITIS MYOSITIS AND BURSITIS WITH MCC
M	837	558	TENDONITIS MYOSITIS AND BURSITIS WITHOUT MCC
M	838	559	AFTERCARE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE WITH MCC
M	838	560	AFTERCARE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE WITH CC
M	838	561	AFTERCARE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE WITHOUT CC/MCC
M	839	562	FRACTURE SPRAIN STRAIN AND DISLOCATION EXCEPT FEMUR HIP PELVIS AND THIGH WITH MCC
M	839	563	FRACTURE SPRAIN STRAIN AND DISLOCATION EXCEPT FEMUR HIP PELVIS AND THIGH WITHOUT MCC
M	840	564	OTHER MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DIAGNOSES WITH MCC
M	840	565	OTHER MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DIAGNOSES WITH CC
M	840	566	OTHER MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DIAGNOSES WITHOUT CC/MCC
S	913	570	SKIN DEBRIDEMENT WITH MCC
S	913	571	SKIN DEBRIDEMENT WITH CC
S	913	572	SKIN DEBRIDEMENT WITHOUT CC/MCC
S	901	573	SKIN GRAFT FOR SKIN ULCER OR CELLULITIS WITH MCC
S	901	574	SKIN GRAFT FOR SKIN ULCER OR CELLULITIS WITH CC
S	901	575	SKIN GRAFT FOR SKIN ULCER OR CELLULITIS WITHOUT CC/MCC
S	902	576	SKIN GRAFT EXCEPT FOR SKIN ULCER OR CELLULITIS WITH MCC
S	902	577	SKIN GRAFT EXCEPT FOR SKIN ULCER OR CELLULITIS WITH CC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	902	578	SKIN GRAFT EXCEPT FOR SKIN ULCER OR CELLULITIS WITHOUT CC/MCC
S	903	579	OTHER SKIN SUBCUTANEOUS TISSUE AND BREAST PROCEDURES WITH MCC
S	903	580	OTHER SKIN SUBCUTANEOUS TISSUE AND BREAST PROCEDURES WITH CC
S	903	581	OTHER SKIN SUBCUTANEOUS TISSUE AND BREAST PROCEDURES WITHOUT CC/MCC
S	904	582	MASTECTOMY FOR MALIGNANCY WITH CC/MCC
S	904	583	MASTECTOMY FOR MALIGNANCY WITHOUT CC/MCC
S	905	584	BREAST BIOPSY LOCAL EXCISION AND OTHER BREAST PROCEDURES WITH CC/MCC
S	905	585	BREAST BIOPSY LOCAL EXCISION AND OTHER BREAST PROCEDURES WITHOUT CC/MCC
M	906	592	SKIN ULCERS WITH MCC
M	906	593	SKIN ULCERS WITH CC
M	906	594	SKIN ULCERS WITHOUT CC/MCC
M	907	595	MAJOR SKIN DISORDERS WITH MCC
M	907	596	MAJOR SKIN DISORDERS WITHOUT MCC
M	908	597	MALIGNANT BREAST DISORDERS WITH MCC
M	908	598	MALIGNANT BREAST DISORDERS WITH CC
M	908	599	MALIGNANT BREAST DISORDERS WITHOUT CC/MCC
M	909	600	NON-MALIGNANT BREAST DISORDERS WITH CC/MCC
M	909	601	NON-MALIGNANT BREAST DISORDERS WITHOUT CC/MCC
M	910	602	CELLULITIS WITH MCC
M	910	603	CELLULITIS WITHOUT MCC
M	911	604	TRAUMA TO THE SKIN SUBCUTANEOUS TISSUE AND BREAST WITH MCC
M	911	605	TRAUMA TO THE SKIN SUBCUTANEOUS TISSUE AND BREAST WITHOUT MCC
M	912	606	MINOR SKIN DISORDERS WITH MCC
M	912	607	MINOR SKIN DISORDERS WITHOUT MCC
S	1001	614	ADRENAL AND PITUITARY PROCEDURES WITH CC/MCC
S	1001	615	ADRENAL AND PITUITARY PROCEDURES WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	1002	616	AMPUTATION OF LOWER LIMB FOR ENDOCRINE NUTRITIONAL AND METABOLIC DISORDERS WITH MCC
S	1002	617	AMPUTATION OF LOWER LIMB FOR ENDOCRINE NUTRITIONAL AND METABOLIC DISORDERS WITH CC
S	1002	618	AMPUTATION OF LOWER LIMB FOR ENDOCRINE NUTRITIONAL AND METABOLIC DISORDERS WITHOUT CC/MCC
S	1003	619	O.R. PROCEDURES FOR OBESITY WITH MCC
S	1003	620	O.R. PROCEDURES FOR OBESITY WITH CC
S	1003	621	O.R. PROCEDURES FOR OBESITY WITHOUT CC/MCC
S	1004	622	SKIN GRAFTS AND WOUND DEBRIDEMENT FOR ENDOCRINE NUTRITIONAL AND METABOLIC DISORDERS WITH MCC
S	1004	623	SKIN GRAFTS AND WOUND DEBRIDEMENT FOR ENDOCRINE NUTRITIONAL AND METABOLIC DISORDERS WITH CC
S	1004	624	SKIN GRAFTS AND WOUND DEBRIDEMENT FOR ENDOCRINE NUTRITIONAL AND METABOLIC DISORDERS WITHOUT CC/MCC
S	1005	625	THYROID PARATHYROID AND THYROGLOSSAL PROCEDURES WITH MCC
S	1005	626	THYROID PARATHYROID AND THYROGLOSSAL PROCEDURES WITH CC
S	1005	627	THYROID PARATHYROID AND THYROGLOSSAL PROCEDURES WITHOUT CC/MCC
S	1006	628	OTHER ENDOCRINE NUTRITIONAL AND METABOLIC O.R. PROCEDURES WITH MCC
S	1006	629	OTHER ENDOCRINE NUTRITIONAL AND METABOLIC O.R. PROCEDURES WITH CC
S	1006	630	OTHER ENDOCRINE NUTRITIONAL AND METABOLIC O.R. PROCEDURSE WITHOUT CC/MCC
M	1007	637	DIABETES WITH MCC
M	1007	638	DIABETES WITH CC
M	1007	639	DIABETES WITHOUT CC/MCC
M	1008	640	MISCELLANEOUS DISORDERS OF NUTRITION METABOLISM FLUIDS AND ELECTROLYTES WITH MCC
M	1008	641	MISCELLANEOUS DISORDERS OF NUTRITION METABOLISM FLUIDS AND ELECTROLYTES WITHOUT MCC
M	1009	642	INBORN AND OTHER DISORDERS OF METABOLISM

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	1010	643	ENDOCRINE DISORDERS WITH MCC
M	1010	644	ENDOCRINE DISORDERS WITH CC
M	1010	645	ENDOCRINE DISORDERS WITHOUT CC/MCC
S	1101	650	KIDNEY TRANSPLANT WITH HEMODIALYSIS WITH MCC
S	1101	651	KIDNEY TRANSPLANT WITH HEMODIALYSIS WITHOUT MCC
S	1101	652	KIDNEY TRANSPLANT
S	1102	653	MAJOR BLADDER PROCEDURES WITH MCC
S	1102	654	MAJOR BLADDER PROCEDURES WITH CC
S	1102	655	MAJOR BLADDER PROCEDURES WITHOUT CC/MCC
S	1103	656	KIDNEY AND URETER PROCEDURES FOR NEOPLASM WITH MCC
S	1103	657	KIDNEY AND URETER PROCEDURES FOR NEOPLASM WITH CC
S	1103	658	KIDNEY AND URETER PROCEDURES FOR NEOPLASM WITHOUT CC/MCC
S	1104	659	KIDNEY AND URETER PROCEDURES FOR NON-NEOPLASM WITH MCC
S	1104	660	KIDNEY AND URETER PROCEDURES FOR NON-NEOPLASM WITH CC
S	1104	661	KIDNEY AND URETER PROCEDURES FOR NON-NEOPLASM WITHOUT CC/MCC
S	1105	662	MINOR BLADDER PROCEDURES WITH MCC
S	1105	663	MINOR BLADDER PROCEDURES WITH CC
S	1105	664	MINOR BLADDER PROCEDURES WITHOUT CC/MCC
S	1106	665	PROSTATECTOMY WITH MCC
S	1106	666	PROSTATECTOMY WITH CC
S	1106	667	PROSTATECTOMY WITHOUT CC/MCC
S	1107	668	TRANSURETHRAL PROCEDURES WITH MCC
S	1107	669	TRANSURETHRAL PROCEDURES WITH CC
S	1107	670	TRANSURETHRAL PROCEDURES WITHOUT CC/MCC
S	1108	671	URETHRAL PROCEDURES WITH CC/MCC
S	1108	672	URETHRAL PROCEDURES WITHOUT CC/MCC
S	1109	673	OTHER KIDNEY AND URINARY TRACT PROCEDURES WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	1109	674	OTHER KIDNEY AND URINARY TRACT PROCEDURES WITH CC
S	1109	675	OTHER KIDNEY AND URINARY TRACT PROCEDURES WITHOUT CC/MCC
M	1110	682	RENAL FAILURE WITH MCC
M	1110	683	RENAL FAILURE WITH CC
M	1110	684	RENAL FAILURE WITHOUT CC/MCC
M	1118	685	ADMIT FOR RENAL DIALYSIS
M	1112	686	KIDNEY AND URINARY TRACT NEOPLASMS WITH MCC
M	1112	687	KIDNEY AND URINARY TRACT NEOPLASMS WITH CC
M	1112	688	KIDNEY AND URINARY TRACT NEOPLASMS WITHOUT CC/MCC
M	1113	689	KIDNEY AND URINARY TRACT INFECTIONS WITH MCC
M	1113	690	KIDNEY AND URINARY TRACT INFECTIONS WITHOUT MCC
M	1115	691	URINARY STONES WITH ESW LITHOTRIPSY WITH CC/MCC
M	1115	692	URINARY STONES WITH ESW LITHOTRIPSY WITHOUT CC/MCC
M	1115	693	URINARY STONES W MCC
M	1115	694	URINARY STONES W/O MCC
M	1116	695	KIDNEY AND URINARY TRACT SIGNS AND SYMPTOMS WITH MCC
M	1116	696	KIDNEY AND URINARY TRACT SIGNS AND SYMPTOMS WITHOUT MCC
M	1117	697	URETHRAL STRICTURE
M	1118	698	OTHER KIDNEY AND URINARY TRACT DIAGNOSES WITH MCC
M	1118	699	OTHER KIDNEY AND URINARY TRACT DIAGNOSES WITH CC
M	1118	700	OTHER KIDNEY AND URINARY TRACT DIAGNOSES WITHOUT CC/MCC
S	1201	707	MAJOR MALE PELVIC PROCEDURES WITH CC/MCC
S	1201	708	MAJOR MALE PELVIC PROCEDURES WITHOUT CC/MCC
S	1202	709	PENIS PROCEDURES WITH CC/MCC
S	1202	710	PENIS PROCEDURES WITHOUT CC/MCC
S	1203	711	TESTES PROCEDURES WITH CC/MCC
S	1203	712	TESTES PROCEDURES WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	1204	713	TRANSURETHRAL PROSTATECTOMY WITH CC/MCC
S	1204	714	TRANSURETHRAL PROSTATECTOMY WITHOUT CC/MCC
S	1205	715	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROCEDURES FOR MALIGNANCY WITH CC/MCC
S	1205	716	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROCEDURES FOR MALIGNANCY WITHOUT CC/MCC
S	1206	717	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROCEDURES EXCEPT MALIGNANCY WITH CC/MCC
S	1206	718	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXCEPT MALIGNANCY WITHOUT CC/MCC
M	1207	722	MALIGNANCY MALE REPRODUCTIVE SYSTEM WITH MCC
M	1207	723	MALIGNANCY MALE REPRODUCTIVE SYSTEM WITH CC
M	1207	724	MALIGNANCY MALE REPRODUCTIVE SYSTEM WITHOUT CC/MCC
M	1208	725	BENIGN PROSTATIC HYPERPLASIA WITH MCC
M	1208	726	BENIGN PROSTATIC HYPERPLASIA WITHOUT MCC
M	1209	727	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM WITH MCC
M	1209	728	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM WITHOUT MCC
M	1210	729	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES WITH CC/MCC
M	1210	730	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES WITHOUT CC/MCC
S	1301	734	PELVIC EVISCERATION RADICAL HYSERECTOMY AND RADICAL VULVECTOMY WITH CC/MCC
S	1301	735	PELVIC EVISCERATION RADICAL HYSERECTOMY AND RADICAL VULVECTOMY WITHOUT CC/MCC
S	1302	736	UTERINE AND ADNEXA PROCEDURES FOR OVARIAN OR ADNEXAL MALIGNANCY WITH MCC
S	1302	737	UTERINE AND ADNEXA PROCEDURES FOR OVARIAN OR ADNEXAL MALIGNANCY WITH CC
S	1302	738	UTERINE AND ADNEXA PROCEDURES FOR OVARIAN OR ADNEXAL MALIGNANCY WITHOUT CC/MCC
S	1303	739	UTERINE ADNEXA PROCEDURES FOR NON-OVARIAN AND NON-ADNEXAL MALIGNANCY WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	1303	740	UTERINE ADNEXA PROCEDURES FOR NON-OVARIAN AND NON-ADNEXAL MALIGNANCY WITH CC
S	1303	741	UTERINE ADNEXA PROCEDURES FOR NON-OVARIAN AND NON-ADNEXAL MALIGNANCY WITHOUT CC/MCC
S	1304	742	UTERINE AND ADNEXA PROCEDURES FOR NON-MALIGNANCY WITH CC/MCC
S	1304	743	UTERINE AND ADNEXA PROCEDURES FOR NON-MALIGNANCY WITHOUT CC/MCC
S	1305	744	D&C CONIZATION LAPAROSCOPY AND TUBAL INTERRUPTION WITH CC/MCC
S	1305	745	D&C CONIZATION LAPAROSCOPY AND TUBAL INTERRUPTION WITHOUT CC/MCC
S	1306	746	VAGINA CERVIX AND VULVA PROCEDURES WITH CC/MCC
S	1306	747	VAGINA CERVIX AND VULVA PROCEDURES WITHOUT CC/MCC
S	1307	748	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES
S	1308	749	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES WITH CC/MCC
S	1308	750	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES WITHOUT CC/MCC
M	1309	754	MALIGNANCY FEMALE REPRODUCTIVE SYSTEM WITH MCC
M	1309	755	MALIGNANCY FEMALE REPRODUCTIVE SYSTEM WITH CC
M	1309	756	MALIGNANCY FEMALE REPRODUCTIVE SYSTEM WITHOUT CC/MCC
M	1310	757	INFECTIONS FEMALE REPRODUCTIVE SYSTEM WITH MCC
M	1310	758	INFECTIONS FEMALE REPRODUCTIVE SYSTEM WITH CC
M	1310	759	INFECTIONS FEMALE REPRODUCTIVE SYSTEM WITHOUT CC/MCC
M	1311	760	MENSTRUAL AND OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS WITH CC/MCC
M	1311	761	MENSTRUAL AND OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS WITHOUT CC/MCC
S	1401	765	CESAREAN SECTION WITH CC/MCC
S	1401	766	CESAREAN SECTION WITHOUT CC/MCC
S	1413	767	VAGINAL DELIVERY WITH STERILIZATION AND/OR D&C
S	1402	768	VAGINAL DELIVERY WITH O.R. PROCEDURE EXCEPT STERILIZATION AND/OR D&C
S	1403	769	POSTPARTUM AND POST ABORTION DIAGNOSES WITH O.R. PROCEDURE
S	1404	770	ABORTION WITH D&C ASPIRATION CURETTAGE OR HYSTEROTOMY
M	1405	774	VAGINAL DELIVERY WITH COMPLICATING DIAGNOSES

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	1405	775	VAGINAL DELIVERY WITHOUT COMPLICATING DIAGNOSES
M	1406	776	POSTPARTUM AND POST ABORTION DIAGNOSES WITHOUT O.R. PROCEDURE
M	1411	777	ECTOPIC PREGNANCY
M	1411	778	THREATENED ABORTION
M	1409	779	ABORTION WITHOUT D&C
M	1411	780	FALSE LABOR
M	1411	781	OTHER ANTEPARTUM DIAGNOSES WITH MEDICAL COMPLICATIONS
M	1411	782	OTHER ANTEPARTUM DIAGNOSES WITHOUT MEDICAL COMPLICATIONS
S	1401	783	CESAREAN SECTION W STERILIZATION W MCC
S	1401	784	CESAREAN SECTION W STERILIZATION W CC
S	1401	785	CESAREAN SECTION W STERILIZATION W/O CC/MCC
S	1401	786	CESAREAN SECTION W/O STERILIZATION W MCC
S	1401	787	CESAREAN SECTION W/O STERILIZATION W CC
S	1401	788	CESAREAN SECTION W/O STERILIZATION W/O CC/MCC
M	1501	789	NEONATES DIED OR TRANSFERRED TO ANOTHER ACUTE CARE FACILITY
M	1502	790	EXTREME IMMATURITY OR RESPIRATORY DISTRESS SYNDROME NEONATE
M	1503	791	PREMATURITY WITH MAJOR PROBLEMS
M	1504	792	PREMATURITY WITHOUT MAJOR PROBLEMS
M	1505	793	FULL TERM NEONATE WITH MAJOR PROBLEMS
M	1506	794	NEONATE WITH OTHER SIGNIFICANT PROBLEMS
M	1507	795	NORMAL NEWBORN
S	1413	796	VAGINAL DELIVERY W STERILIZATION/D&C W MCC
S	1413	797	VAGINAL DELIVERY W STERILIZATION/D&C W CC
S	1413	798	VAGINAL DELIVERY W STERILIZATION/D&C WO CC/MCC
S	1601	799	SPLENECTOMY WITH MCC
S	1601	800	SPLENECTOMY WITH CC
S	1601	801	SPLENECTOMY WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	1602	802	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS WITH MCC
S	1602	803	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS WITH CC
S	1602	804	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS WITHOUT CC/MCC
M	1405	805	VAGINAL DELIVERY W/O STERILIZATION/D&C W MCC
M	1405	806	VAGINAL DELIVERY W/O STERILIZATION/D&C W CC
M	1405	807	VAGINAL DELIVERY W/O STERILIZATION/D&C W/O CC/MCC
M	1603	808	MAJOR HEMATOLOGICAL AND IMMUNOLOGICAL DIAGNOSES EXCEPT SICKLE CELL CRISIS AND COAGULATION DISORDERS WITH MCC
M	1603	809	MAJOR HEMATOLOGICAL AND IMMUNOLOGICAL DIAGNOSES EXCEPT SICKLE CELL CRISIS AND COAGULATION DISORDERS WITH CC
M	1603	810	MAJOR HEMATOLOGICAL AND IMMUNOLOGICAL DIAGNOSES EXCEPT SICKLE CELL CRISIS AND COAGULATION DISORDERS WITHOUT CC/MCC
M	1604	811	RED BLOOD CELL DISORDERS WITH MCC
M	1604	812	RED BLOOD CELL DISORDERS WITHOUT MCC
M	1605	813	COAGULATION DISORDERS
M	1606	814	RETICULOENDOTHELIAL AND IMMUNITY DISORDERS WITH MCC
M	1606	815	RETICULOENDOTHELIAL AND IMMUNITY DISORDERS WITH CC
M	1606	816	RETICULOENDOTHELIAL AND IMMUNITY DISORDERS WITHOUT CC/MCC
S	1414	817	OTHER ANTEPARTUM DIAGNOSES W O.R. PROCEDURE W MCC
S	1414	818	OTHER ANTEPARTUM DIAGNOSES W O.R. PROCEDURE W CC
S	1414	819	OTHER ANTEPARTUM DIAGNOSES W O.R. PROCEDURE W/O CC/MCC
S	1707	820	LYMPHOMA AND LEUKEMIA WITH MAJOR O.R. PROCEDURE WITH MCC
S	1707	821	LYMPHOMA AND LEUKEMIA WITH MAJOR O.R. PROCEDURE WITH CC
S	1707	822	LYMPHOMA AND LEUKEMIA WITH MAJOR O.R. PROCEDURE WITHOUT CC/MCC
S	1708	823	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER PROC W MCC
S	1708	824	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER PROC W CC
S	1708	825	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER PROC W/O CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
S	1709	826	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS WITH MAJOR O.R. PROCEDURE WITH MCC
S	1709	827	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS WITH MAJOR O.R. PROCEDURE WITH CC
S	1709	828	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS WITH MAJOR O.R. PROCEDURE WITHOUT CC/MCC
S	1710	829	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W OTHER PROCEDURE W CC/MCC
S	1710	830	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W OTHER PROCEDURE W/O CC/MCC
M	1411	831	OTHER ANTEPARTUM DIAGNOSES W/O O.R. PROCEDURE W MCC
M	1411	832	OTHER ANTEPARTUM DIAGNOSES W/O O.R. PROCEDURE W CC
M	1411	833	OTHER ANTEPARTUM DIAGNOSES W/O O.R. PROCEDURE W/O CC/MCC
M	1711	834	ACUTE LEUKEMIA WITHOUT MAJOR O.R. PROCEDURE WITH MCC
M	1711	835	ACUTE LEUKEMIA WITHOUT MAJOR O.R. PROCEDURE WITH CC
M	1711	836	ACUTE LEUKEMIA WITHOUT MAJOR O.R. PROCEDURE WITHOUT CC/MCC
M	1712	837	CHEMOTHERAPY WITH ACUTE LEUKEMIA AS SDX OR WITH HIGH DOSE CHEMOTHERAPY AGENT WITH MCC
M	1712	838	CHEMOTHERAPY WITH ACUTE LEUKEMIA AS SDX WITH CC OR HIGH DOSE CHEMOTHERAPY AGENT
M	1712	839	CHEMOTHERAPY WITH ACUTE LEUKEMIA AS SDX WITHOUT CC/MCC
M	1713	840	LYMPHOMA AND NON-ACUTE LEUKEMIA WITH MCC
M	1713	841	LYMPHOMA AND NON-ACUTE LEUKEMIA WITH CC
M	1713	842	LYMPHOMA AND NON-ACUTE LEUKEMIA WITHOUT CC/MCC
M	1714	843	OTHER MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASTIC DIAGNOSES WITH MCC
M	1714	844	OTHER MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASTIC DIAGNOSES WITH CC
M	1714	845	OTHER MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASTIC DIAGNOSES WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	1715	846	CHEMOTHERAPY WITHOUT ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS WITH MCC
M	1715	847	CHEMOTHERAPY WITHOUT ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS WITH CC
M	1715	848	CHEMOTHERAPY WITHOUT ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS WITHOUT CC/MCC
M	1716	849	RADIOTHERAPY
S	1801	853	INFECTIOUS AND PARASITIC DISEASES WITH O.R. PROCEDURE WITH MCC
S	1801	854	INFECTIOUS AND PARASITIC DISEASES WITH O.R. PROCEDURE WITH CC
S	1801	855	INFECTIOUS AND PARASITIC DISEASES WITH O.R. PROCEDURE WITHOUT CC/MCC
S	1802	856	POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS WITH O.R. PROCEDURE WITH MCC
S	1802	857	POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS WITH O.R. PROCEDURE WITH CC
S	1802	858	POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS WITH O.R. PROCEDURE WITHOUT CC/MCC
M	1803	862	POSTOPERATIVE AND POST-TRAUMATIC INFECTIONS WITH MCC
M	1803	863	POSTOPERATIVE AND POST-TRAUMATIC INFECTIONS WITHOUT MCC
M	1804	864	FEVER AND INFLAMMATORY CONDITIONS
M	1805	865	VIRAL ILLNESS WITH MCC
M	1805	866	VIRAL ILLNESS WITHOUT MCC
M	1806	867	OTHER INFECTIOUS AND PARASITIC DISEASES DIAGNOSES WITH MCC
M	1806	868	OTHER INFECTIOUS AND PARASITIC DISEASES DIAGNOSES WITH CC
M	1806	869	OTHER INFECTIOUS AND PARASITIC DISEASES DIAGNOSES WITHOUT CC/MCC
M	1807	870	SEPTICEMIA OR SEVERE SEPSIS W MV >96 HOURS
M	1808	871	SEPTICEMIA OR SEVERE SEPSIS WITHOUT MV >96 HOURS WITH MCC
M	1808	872	SEPTICEMIA OR SEVERE SEPSIS WITHOUT MV >96 HOURS WITHOUT MCC
S	1909	876	O.R. PROCEDURE WITH PRINCIPAL DIAGNOSES OF MENTAL ILLNESS
M	1910	880	ACUTE ADJUSTMENT REACTION AND PSYCHOSOCIAL DYSFUNCTION
M	1911	881	DEPRESSIVE NEUROSES
M	1912	882	NEUROSES EXCEPT DEPRESSIVE
M	1913	883	DISORDERS OF PERSONALITY AND IMPULSE CONTROL

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	1914	884	ORGANIC DISTURBANCES AND INTELLECTUAL DISABILITY
M	1915	885	PSYCHOSES
M	1916	886	BEHAVIORAL AND DEVELOPMENTAL DISORDERS
M	1917	887	OTHER MENTAL DISORDER DIAGNOSES
M	2018	894	ALCOHOL DRUG ABUSE OR DEPENDENCE LEFT AMA
M	2018	895	ALCOHOL DRUG ABUSE OR DEPENDENCE WITH REHABILITATION THERAPY
M	2018	896	ALCOHOL DRUG ABUSE OR DEPENDENCE WITHOUT REHABILITATION THERAPY WITH MCC
M	2018	897	ALCOHOL DRUG ABUSE OR DEPENDENCE WITHOUT REHABILITATION THERAPY WITHOUT MCC
S	2101	901	WOUND DEBRIDEMENTS FOR INJURIES WITH MCC
S	2101	902	WOUND DEBRIDEMENTS FOR INJURIES WITH CC
S	2101	903	WOUND DEBRIDEMENTS FOR INJURIES WITHOUT CC/MCC
S	2102	904	SKIN GRAFTS FOR INJURIES WITH CC/MCC
S	2102	905	SKIN GRAFTS FOR INJURIES WITHOUT CC/MCC
S	2103	906	HAND PROCEDURES FOR INJURIES
S	2104	907	OTHER O.R. PROCEDURES FOR INJURIES WITH MCC
S	2104	908	OTHER O.R. PROCEDURES FOR INJURIES WITH CC
S	2104	909	OTHER O.R. PROCEDURES FOR INJURIES WITHOUT CC/MCC
M	2105	913	TRAUMATIC INJURY WITH MCC
M	2105	914	TRAUMATIC INJURY WITHOUT MCC
M	2106	915	ALLERGIC REACTIONS WITH MCC
M	2106	916	ALLERGIC REACTIONS WITHOUT MCC
M	2107	917	POISONING AND TOXIC EFFECTS OF DRUGS WITH MCC
M	2107	918	POISONING AND TOXIC EFFECTS OF DRUGS WITHOUT MCC
M	2108	919	COMPLICATIONS OF TREATMENT WITH MCC
M	2108	920	COMPLICATIONS OF TREATMENT WITH CC
M	2108	921	COMPLICATIONS OF TREATMENT WITHOUT CC/MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	2109	922	OTHER INJURY POISONING AND TOXIC EFFECT DIAGNOSES WITH MCC
M	2109	923	OTHER INJURY POISONING AND TOXIC EFFECT DIAGNOSES WITHOUT MCC
S	2210	927	EXTENSIVE BURNS OR FULL THICKNESS BURNS WITH MV >96 HOURS WITH SKIN GRAFT
S	2201	928	FULL THICKNESS BURN WITH SKIN GRAFT OR INHALATION INJURY WITH CC/MCC
S	2201	929	FULL THICKNESS BURN WITH SKIN GRAFT OR INHALATION INJURY WITHOUT CC/MCC
M	2212	933	EXTENSIVE BURNS OR FULL THICKNESS BURNS WITH MV >96 HOURS WITHOUT SKIN GRAFT
M	2213	934	FULL THICKNESS BURN WITHOUT SKIN GRAFT OR INHALATION INJURY
M	2214	935	NON-EXTENSIVE BURNS
S	2301	939	O.R. PROCEDURES WITH DIAGNOSES OF OTHER CONTACT WITH HEALTH SERVICES WITH MCC
S	2301	940	O.R. PROCEDURES WITH DIAGNOSES OF OTHER CONTACT WITH HEALTH SERVICES WITH CC
S	2301	941	O.R. PROCEDURES WITH DIAGNOSES OF OTHER CONTACT WITH HEALTH SERVICES WITHOUT CC/MCC
M	2302	945	REHABILITATION WITH CC/MCC
M	2302	946	REHABILITATION WITHOUT CC/MCC
M	2303	947	SIGNS AND SYMPTOMS WITH MCC
M	2303	948	SIGNS AND SYMPTOMS WITHOUT MCC
M	2304	949	AFTERCARE WITH CC/MCC
M	2304	950	AFTERCARE WITHOUT CC/MCC
M	2305	951	OTHER FACTORS INFLUENCING HEALTH STATUS
S	2406	955	CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA
S	2407	956	LIMB REATTACHMENT HIP AND FEMUR PROC FOR MULTIPLE SIGNIFICANT TRAUMA
S	2408	957	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA WITH MCC
S	2408	958	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA WITH CC
S	2408	959	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA WITHOUT CC/MCC
M	2409	963	OTHER MULTIPLE SIGNIFICANT TRAUMA WITH MCC

M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
M	2409	964	OTHER MULTIPLE SIGNIFICANT TRAUMA WITH CC
M	2409	965	OTHER MULTIPLE SIGNIFICANT TRAUMA WITHOUT CC/MCC
S	2501	969	HIV WITH EXTENSIVE O.R. PROCEDURE WITH MCC
S	2501	970	HIV WITH EXTENSIVE O.R. PROCEDURE WITHOUT MCC
M	2502	974	HIV WITH MAJOR RELATED CONDITION WITH MCC
M	2502	975	HIV WITH MAJOR RELATED CONDITION WITH CC
M	2502	976	HIV WITH MAJOR RELATED CONDITION WITHOUT CC/MCC
M	2503	977	HIV WITH OR WITHOUT OTHER RELATED CONDITION
S	8899	981	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS WITH MCC
S	8899	982	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS WITH CC
S	8899	983	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS WITHOUT CC/MCC
S	8897	984	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS WITH MCC
S	8897	985	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS WITH CC
S	8897	986	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS WITHOUT CC/MCC
S	8897	987	NON-EXTENSIVE O.R. PROC UNRELATED TO PRINCIPAL DIAGNOSIS WITH MCC
S	8897	988	NON-EXTENSIVE O.R. PROC UNRELATED TO PRINCIPAL DIAGNOSIS WITH CC
S	8897	989	NON-EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS WITHOUT CC/MCC

* Refer to [All ICD-10-CM/PCS coding revisions in MS Excel](#) format for detailed code set values in this document

Table A.3. Categorical Variable Definitions: GPPD and HPPD

Category	Description	Definition
GPPD08	GPPD08 = 1**	Denominator Low Risk Category: Discharges not meeting the inclusion rules for GPPD08_2.
	GPPD08_2	Denominator High Risk Category: Discharges with any diagnosis code for coagulation disorders (COAGDID) or any procedure code is extracorporeal membrane oxygenation (ECMO), then GPPD08_2 = 1.
GPPD10	GPPD10_1	Denominator Surgical Risk Category 1: Discharges with a surgical class 1 DRG (DRG1C) classified as clean with an elective admission type (ATYPE = 3) that otherwise qualify for the denominator.
	GPPD10_2	Denominator Surgical Risk Category 2: Discharges with a surgical class 1 DRG (DRG1C) classified as clean with a non-elective admission type (ATYPE ≠ 3) that otherwise qualify for the denominator.
	GPPD10_3	Denominator Surgical Risk Category 3: Discharges with a surgical class 2 DRG (DRG2C), classified as clean contaminated, surgical class 3 (DRG3C), classified as potentially contaminated, or surgical class 9, unspecified (DRG9C), with an elective admission type (ATYPE = 3) that otherwise qualify for the denominator.
	GPPD10_4	Denominator Surgical Risk Category 4: Discharges with a surgical class 2 DRG (DRG2C), classified as clean contaminated, surgical class 3 (DRG3C), classified as potentially contaminated, or surgical class 9, unspecified (DRG9C), with a non-elective admission type (ATYPE ≠ 3) that otherwise qualify for the denominator.
	GPPD10_9	Denominator Surgical Risk Category 9: Surgical discharges not meeting the inclusion rules for GPPD10_1 through GPPD10_4 among patients otherwise qualifying for the denominator.
GPPD12	GPPD12 = 1**	Denominator Low Risk Category: Discharges not meeting the inclusion rules for GPPD12_2 and GPPD12_3 among discharges otherwise qualifying for the denominator.
	GPPD12_2	Denominator Intermediate Risk Category: Discharges otherwise qualifying for the denominator and not meeting the inclusion criteria for the High Risk Category with any diagnosis code for intermediate-risk immunocompromised state (IMMUITD), or any diagnosis code for cirrhosis (HEPFA2D) and any diagnosis code for hepatic failure (HEPFA3D), or any diagnosis code for cystic fibrosis (ACSCYFD), or any diagnosis code for hemophilia (HEMOPHD), then GPPD12_2 = 1.

	GPPD12_3	Denominator High Risk Category: Discharges otherwise qualifying for the denominator with any diagnosis code for high-risk immunocompromised state (IMMUNHD), or any procedure code for high-risk immunocompromised state (TRANSPP), or any diagnosis code for cancer (CANITD), then GPPD12_3 = 1.
HPPD01***	HPPD01_1	Denominator PRCLASS Risk Category 1: Discharges otherwise qualifying for the denominator with no therapeutic procedures and with any or no diagnostic procedures (PRCLASS).
	HPPD01_2	Denominator PRCLASS Risk Category 2: Discharges otherwise qualifying for the denominator with one or more minor therapeutic procedures, with any or no diagnostic procedures (PRCLASS), and not meeting the inclusion rules for HPPD01_1.
	HPPD01_3	Denominator PRCLASS Risk Category 3: Discharges otherwise qualifying for the denominator with one major therapeutic procedure, without any diagnostic procedures (PRCLASS), and not meeting the inclusion rules for HPPD01_1 or HPPD01_2.
	HPPD01_4	Denominator PRCLASS Risk Category 4: Discharges otherwise qualifying for the denominator with one major therapeutic procedure, with one or more minor diagnostic procedure(s) but no major diagnostic procedure(s) (PRCLASS), and not meeting the inclusion rules for HPPD01_1 through HPPD01_3.
	HPPD01_5	Denominator PRCLASS Risk Category 5: Discharges otherwise qualifying for the denominator with one major therapeutic procedure, with one or more major diagnostic procedure(s) (PRCLASS), and not meeting the inclusion rules for HPPD01_1 through HPPD01_4.
	HPPD01_6	Denominator PRCLASS Risk Category 6: Discharges otherwise qualifying for the denominator with two major therapeutic procedures, with any or no diagnostic procedures (PRCLASS), and not meeting the inclusion rules for HPPD01_1 through HPPD01_5.
	HPPD01_7	Denominator PRCLASS Risk Category 7: Discharges otherwise qualifying for the denominator with three or more major therapeutic procedures, with any or no diagnostic procedures (PRCLASS), and not meeting the inclusion rules for HPPD01_1 through HPPD01_6.
	HPPD01_9	Denominator PRCLASS Risk Category 9: Discharges otherwise qualifying for the denominator and not meeting the inclusion rules for HPPD01_1 through HPPD01_7.
	HPPD10_0	Denominator Low Immune Risk Category: Discharges not meeting the inclusion rules for HPPD10_1, HPPD10_2, and HPPD10_3.
	HPPD10_1	Denominator Low-Intermediate Immune Risk Category: Discharges with any diagnosis code for intermediate-risk immunocompromised state (IMMUITD) present on admission, or

		any diagnosis code for cirrhosis (HEPFA2D) present on admission, and not meeting the inclusion rules for HPPD10_2, and HPPD10_3, then HPPD10_1 = 1.
HPPD10_2		Denominator High-Intermediate Immune Risk Category: Discharges with any diagnosis code for high-risk immunocompromised state (IMMUNHD) present on admission, and not meeting the inclusion rules for HPPD10_3, then HPPD10_2 = 1.
HPPD10_3		Denominator High Immune Risk Category: Discharges with any diagnosis code for hepatic failure (HEPFA3D) present on admission, or any procedure code for high-risk immunocompromised state (TRANSPP), then HPPD10_3 = 1.

** Not used in risk-adjustment, included for informational purposes.

*** Refer to [All ICD-10-CM/PCS coding revisions in MS Excel format](#) for a full detailed list of codes in IMMUITD, IMMUNHD, HEPFA2D, HEPFA3D, TRANSPP, PRCLASS and other code lists in this document.

Table A.4. Categorical Variable Definitions: Transfer

CATEGORY	DESCRIPTION	DEFINITION
TRNSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	If admission type (ATYPE) is equal to '4' (Newborn), then TRNSFER_ALT=OUTBORN If admission type (ATYPE) is not equal to '4' (Newborn) then TRNSFER_ALT = 0 If admission type (ATYPE) not equal to '4' (Newborn) and admission source (ASOURCE) equal to '2' (Another Hospital) or - point of origin (POINTFORIGINUB04) equal to '4' (Transfer from a Hospital), then TRNSFER_ALT=1

Table A.5. Categorical Variables Used for Comorbidity Counts, Elixhauser Comorbidity Software Refined, Version 2022.1*

MEASURE	COMORBIDITY COUNT CATEGORY	DESCRIPTION
PDI 01	PD01_NonWt_1	PD01 Comorbidity count using non-weighted method, category 1, count >= 1
PDI 05	PD05_NonWt_1	PD05 Comorbidity count using non-weighted method, category 1, count >= 2
PDI 08	PD08_NonWt_1	PD08 Comorbidity count using non-weighted method, category 1, count > 0 and count <= 2
PDI 08	PD08_NonWt_2	PD08 Comorbidity count using non-weighted method, category 2, count >=3
PDI 09	PD09_NonWt_1	PD09 Comorbidity count using non-weighted method, category 1, count > 0 and count <= 2
PDI 09	PD09_NonWt_2	PD09 Comorbidity count using non-weighted method, category 2, count >= 3
PDI 10	PD10_NonWt_1	PD10 Comorbidity count using non-weighted method, category 1, count > 1 and count <= 2

MEASURE	COMORBIDITY COUNT CATEGORY	DESCRIPTION
PDI 10	PD10_NonWt_2	PD10 Comorbidity count using non-weighted method, category 2, count ≥ 3
PDI 12	PD12_NonWt_1	PD12 Comorbidity count using non-weighted method, category 1, count ≥ 2

*Comorbidity counts are based on the number of comorbidity categories defined by the Elixhauser Comorbidity Software Refined for ICD-10-CM. Agency for Healthcare Research and Quality. Elixhauser Comorbidity Software Refined for ICD-10-CM. Healthcare Cost and Utilization Project (HCUP). October 2021. www.hcup-us.ahrq.gov/toolssoftware/comorbidityicd10/comorbidity_icd10.jsp.